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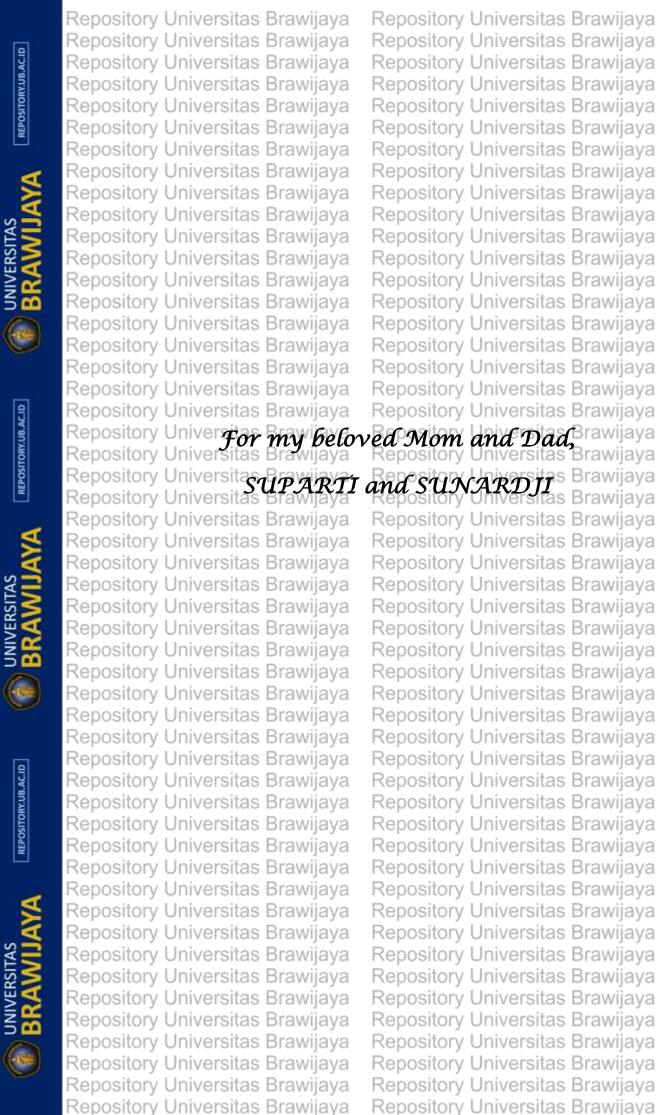
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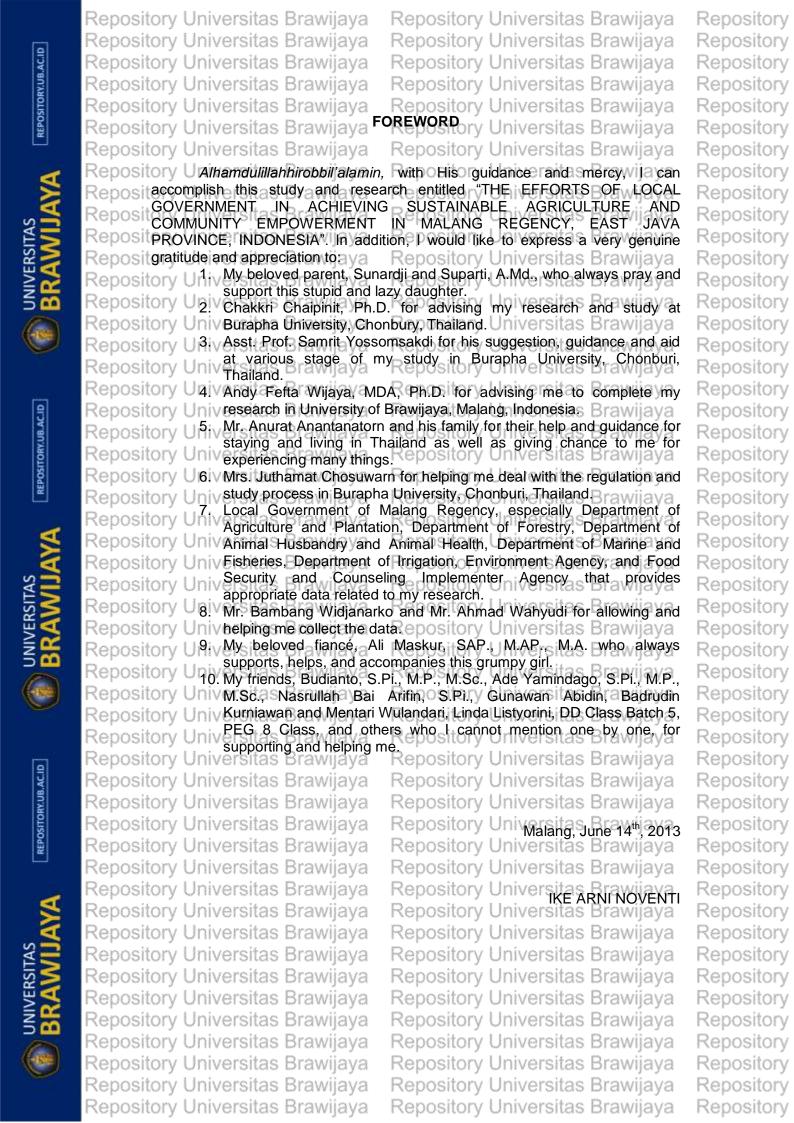


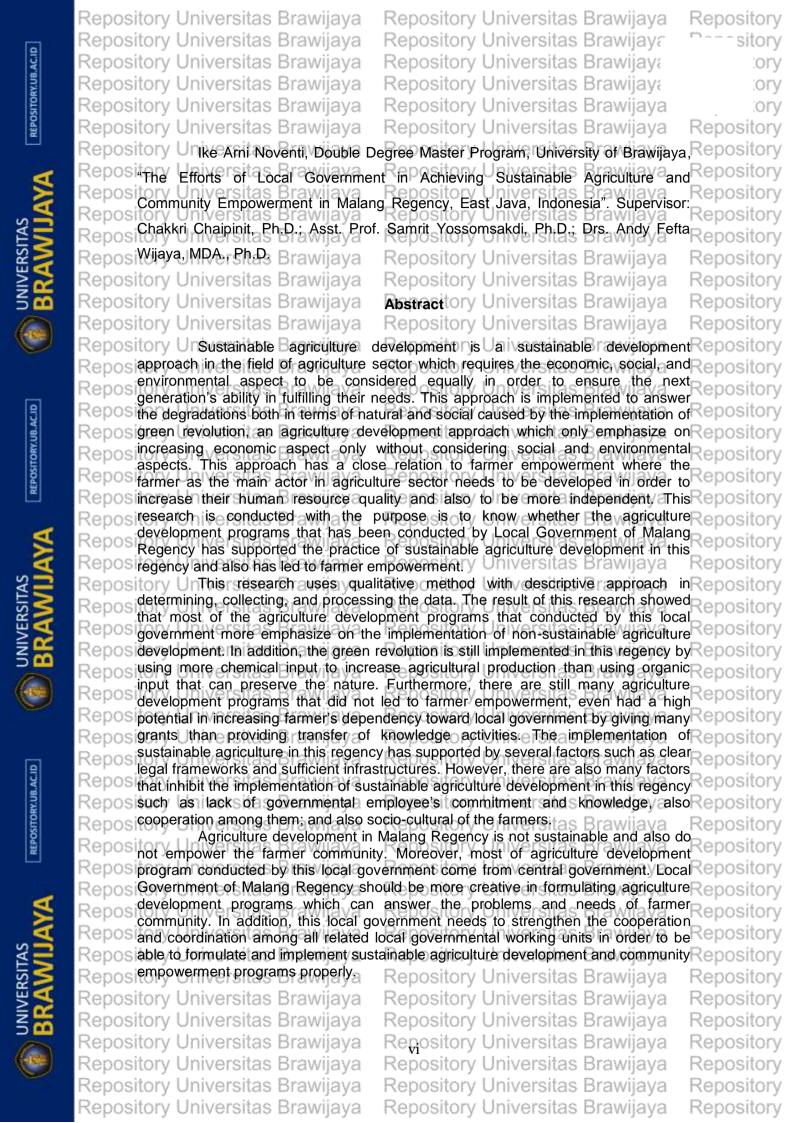
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawi Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawi Repository Universitas Brawijaya CHAPTER I Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijay**INTRODUCTION**y Universitas Brawijaya Repository U This chapter provides the background which explains the reasons of the Repository Universitas Brawijava Repository Universitas Brawijaya Reposit researcher for choosing this topic. Therefore, this chapter will be divided into five Reposit parts, namely: Research Background, Research Questions, Research Purposes, Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Research Benefits, and Research Structure. The first until the third part aims to Reposit explain briefly about the reason and the importance of the research. The forth Repository Universitas Brawijaya Repository Universitas Brawijaya Repositpart aims to explain the practical and theoretical contribution of this research, Reposit while the last part briefly explains the composition of this research. Brawijaya epository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UDevelopment is a process toward prosperity and should always be done Repository Universitas Brawilava Repository Universitas Brawijava Repositond also one manifestation of the willingness and ability of a state to be more Reposit developed to the more advanced. Development is essentially a dynamic process Repository Universitas Brawijava Repository Universitas Brawijava Reposit that is to get to the stage a better life. Also, a development characteristic is a Reposit multi-dimensional nature and multi-disciplinary. For that, the construction of Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit development is carried out in various areas of both economic, social, cultural, political, defense and security, and so forth. Universitas Brawijaya Reposit Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U According to Bintoro Tjokkroamijojo, et al. (1982:1), "Development continuously changing" shall mean the Concept is not a static concept Reposit Rep Reposit development is an orientation and business activities without end. The definition Repository Universitas Brawijaya Repository Universitas Brawijava of development must be viewed dynamically, and not seen as a static concept. Reposit Reposit Development should follow the times and focus on improving the quality and level Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit of community life, so that is better than a previous state. Moreover, development Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijay sitory Universitas Brawijaya 1 Repository Universitas Brawijaya I vopusitory Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya<sub>2</sub> Repository Universitas Brawijaya should be able to overcome the problem of poverty is not only made the problem Reposito Repository Reposit of poverty becomes more severe. Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Unevelopment concept basically aims to improve the welfare of citizen. Reposit Development, according to several economic development literatures is, often Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit defined as a continuous process of increase in real income per capita by Reposit increasing the number and productivity of resources. This view led to the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi concepts of development as economic growth. One of new economic growth Reposit theories argues that investment in human resources through education and Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit training and simproving health status have a major impacts on improving tony Universitae Prov productivity (Becker, 1964 in Xiao, 2001:1-2). Economic development is aimed to Repository Universitas Brawijava Repository Universitas Brawijaya Repositimprove the living conditions and welfare of the community. It is expected to be Repository Universitas Brawilava Renository Universitas Brawilava Repository Oniversitas Drawijaya Repository Oniversitas Drawijaya Repositis carried out through development in the agricultural sector. Sitas Brawijaya Repository Universitas Brawiiava Repository Universitas Brawijava Along with the concept of economic development, an agriculture Repository U Reposit development has objectives to fulfill human necessities and to achieve welfare by Repository Universitas Brawijava Repository Universitas Brawijava Repositincreasing productivity and using resources efficiently. To achieve these Reposit objectives, William Gaud, a former USAID director, introduced Green Revolution Repository Universitas Brawijaya Repository Universitas Brawijaya Repositin 1968. The Green Revolution is based on four pillars: the provision of water Reposit through irrigation systems, an optimal use of chemical fertilizer, the application of Repository Universitas Brawijaya Universitas Brawijaya Kepository Reposit pesticides in accordance with the level of pets attack, and the use of superior Repository Universitas Brawijava Ronneitory I Inivoreitae Rrawiiava varieties for quality planting materials (Evagrowtiens, 2011:1). Actually Gaud had Repository Blav sitory ijaya Repositistarted the revolution in Mexico by changing its agricultural system radically on Repository Universitas Brawijaya Repository Universitas Brawijava 1945 with the support from the Ford Foundation, the Rockefeller Foundation, and Reposit Reposition some other big institutions. One of the reasons is the inverse proportion of Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit population growth and production capacity of wheat. Population grows during the Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya<sub>3</sub> Repository Universitas Brawijaya time, while, wheat production was decreasing. The facts proved that Mexico Reposito Rer ository Reposit which was initially imported wheat in 1943, in 1956 Mexico could fulfill her country Repository Universitas Brawijava epository Universitas Brawijava needs; moreover Mexico also exported wheat to other country. Repos Brawijaya Repository U Those big changes indicated that they successfully run the program, so Repository Universitas Brawijaya Repository Universitas Brawijaya Reposithe Ford Foundation and the Rockefeller Foundation brought the same Reposit technology to other countries which were focused on Paddy, including Indonesia. Repository Universitas Brawijava Repository Universitas Brawijaya Indonesia was starting to implement Green Revolution in 1970's through Panca Rer 0.8Rep Usaha Pertanian (PUP) by founding some chemical fertilizer industry, agricultural Repository Universitas Brawijaya Repository Universitas Brawijaya Repositools production, and founding of pesticide industry, using superior variety of Repo paddy called International Rice (IR), and also giving credit supply to farmer. Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Based on the history of green revolution, it can be defined generally that green revolution is a modern agriculture development policy to answer food requirement Rep Repos Reposit with improving food production by synthetic fertilizers and the other chemical Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UAs Mexico, Indonesia was also succeeded in running this program and Repository Universitas Brawijava Repository Universitas Brawijava has brought Indonesia to an improvement of food agricultural productivity sector Repo Reposit and in 1984 Indonesia was considered as a food self sufficiency country. The Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Green Revolution brought Indonesia into big changes, included farmer Reposit characteristics that moved from anti-technology to used-technology Repository Universitas Br Repository Universitas awijaya Repository U However, a in Bindonesia, the green revolution valse brought negative impacts such as environmental degradation and dependency of the farmer on the Repositor Re ositoi Reposit government for further agricultural development (Widiarta, et al., 2009:297). Repository Universitas Brawijava Repository Universitas Brawijava Moreover, until the present time, most of the farmer in Indonesia is still Reposi Reposit dependent to the chemical fertilizer from the government, while the price Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit becomes high; this condition makes the farmer become poor time by time. Green Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijayas Repository Universitas Brawijaya Repository Universitas Brawijava There are varieties of government efforts to implement sustainable Reposit agriculture development including through the formulation of policy. In Indonesia, Repository Universitas Brawijava Repository Universitas Brawiia Reposithis concept has been conceptually accommodated in Law no.12 year 1992 Reposit concerninge cultivation a of plants. The claw explainse that a the agriculture Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit development in Indonesia is sustainable development and environmentally Reposit sounds. This means that agriculture development in Indonesia is aimed to Repository Universitas Brawijava Repository Universitas Brawijava Reposit improve the community welfare and should also consider to the environmental Reposit impacts that might arise. The agricultural development should be in harmony with Repository Universitas Brawijaya Repository Universitas Brawijaya Repositthe/environment, which means that the agriculture development should not Reposit impact negatively on the environment. In addition, to the Act, it artifacts some Repository Reposit supporters of legislation that facilities the implementation of sustainable farming Repository systems, including the President Instruction No.1/2008 concerning Rice Policy, Repos Reposit Law No.41/2009 concerning Protection of Sustainable Agriculture Land, as well Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U in addition, the government's efforts in developing sustainable agriculture Repository Universitas Brawijava Repository Universitas Brawijava Repositis also done through the strengthening of capital such as people's business Reposit credit, fertilizer subsidies, and a lending capital for farm management, an Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit institutional strengthening such as Primatani formation, a formation of farmer Reposit groups, and also an enhancement of human resources through education and Repository Universitas Brawijaya Universitas Brawijaya Kepository Reposit training, and developing areas that are less fertile through the Village Independent Energy program. Repository Universitas Brawijaya Reposit Repository Universitas Brawijaya Rei OSITORY ijaya Repository U Although every effort has been done by the government in developing Repository Universitas Brawijava Repository Universitas Brawijaya sustainable agriculture, but agriculture conditions in Indonesia are still alarming. Repo Reposit Agriculture conditions in Indonesia are still experiencing some problems, both in Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit the terms of quality and quantity. According to Iswandi Anas, a professor of soil Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository biotechnology of Bogor Agriculture Institute, Indonesia, almost 75% of agriculture Repository Reposit Repository Rer ository Repositiland in Indonesia is in critical condition because of declining soil fertility which is Repository sitory Universitas Brawijava epository Universitas Brawijava Rep Repository caused by the use of high concentration of chemical fertilizer in high doses and Repo Repository Repository Repositiongtime period continuously (Adlin, 2011:1). In addition, approximately 50% of Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposit forest land in Indonesia is in damage and critical condition (metrotynews.com, Repository Reposit 2011). In terms of quality, declining of the number of agriculture land in Indonesia Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposit has become greater. It is caused by the high rate of conversion of forest land and Repository Reposit non-oil palm plantations into oil palm plantations, as well as the high rate of ory Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Reposit conversion of agriculture land into non-agricultural land. Based on the data from Repository Reposit Repository Central Bureau of Statistics, raw land in 2002 still reached 7.748.840 hectares, Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repositbut in 2011 only remained about 6.758.840 hectares Universitas Brawijaya Repository In the other hand, the dependence of farmers, as the main subject and Repository Repository Repository Repository Repository Reposit implementer in agricultural practice toward the governments is still very high. This Repository Universitas Brawijaya Repository Universitas Brawijaya Repository can be seen from the lack of initiative of farmers in the development of agriculture Repository Rep OSIÎ Repository Reposit lands, in the provision of fertilizer, an irrigation management, and a compliance Repository Universitas Brawijava Repository Universitas Brawijava Repository Reposit with seeds. The high level of dependency on government is also seen at the high Repository Reposit level of their dependence on the field extension workers. Therefore, the Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposit agricultural development in Indonesia should be more focused on empowerment. Repository Repository Universence, the concept of Repository empowerment as an alternative concept of Repository Universitas Brawijaya Repository Universitas Brawijava Repository Reposit development is giving advantage to the autonomy of decision making from a Repository personal resources, through participation, group society, which relies on Repository Repositor Rep Repository Reposit democracy, from social learning through direct experiences (Friedman, 1992 in Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Laverack, 2001: 179). The focus point is a matter of locality, because civil society Repos Repository Reposit will be better prepared to be empowered through local issues it as Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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	Repositand capability, the farmers are able to manage their farm land properly and	Repository
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)	Repositincrease the agriculture production that automatically also increase social welfare	Repository
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	Repository UTherefore, in this research, the researcher would like to know about the	Repository
	Reposit efforts of local government in achieving sustainable agricultural and whether	Repository
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	Reposit those efforts have led to community empowerment. In addition, the researcher	Repository
	Reposite also would like to know the supporting and inhibiting factors faced by local	Repository
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J.	Repository U Java, Indonesia in developing agriculture sector support the practice of Repository U sustainable agriculture and lead to community empowerment?	Repository
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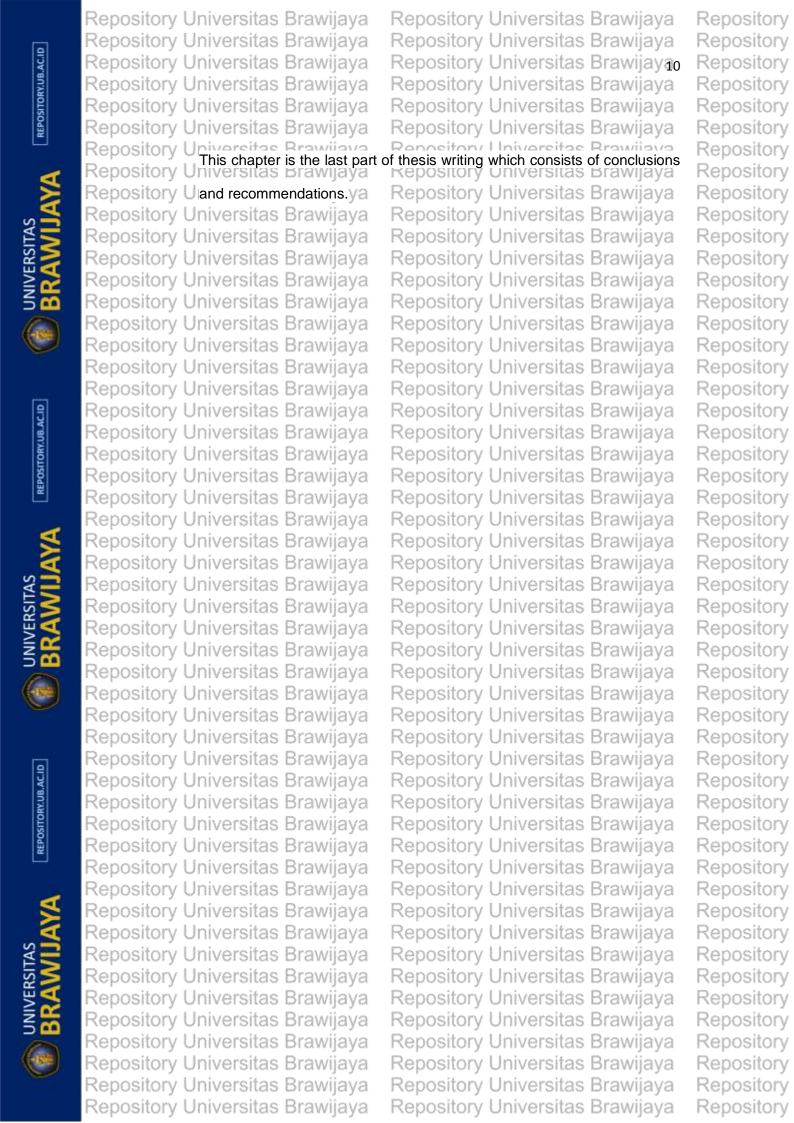
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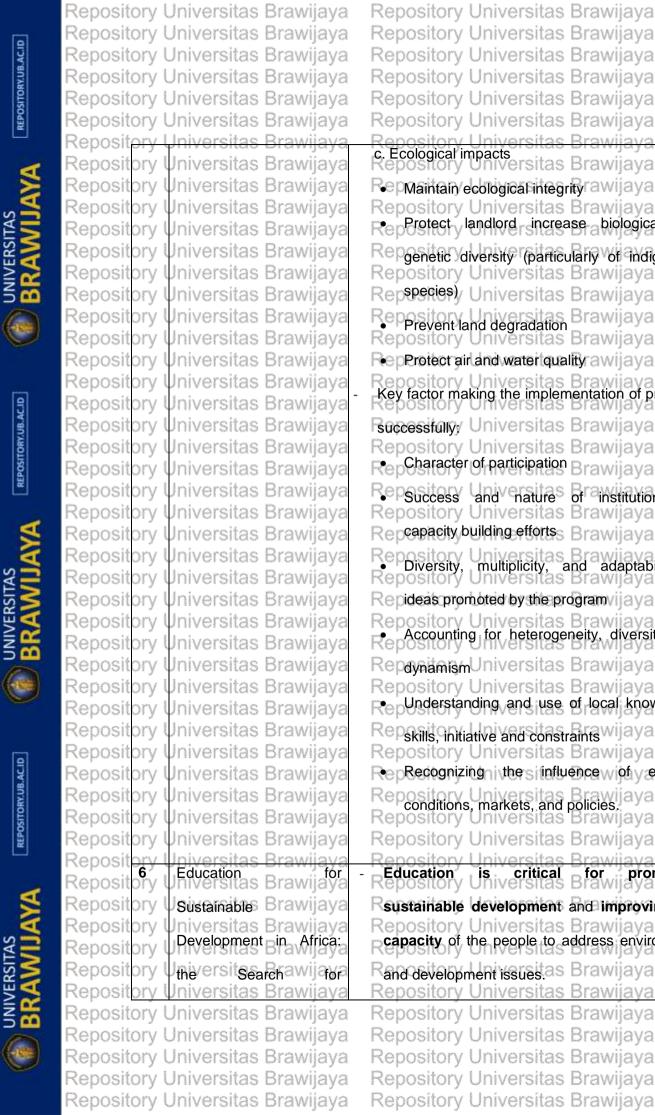
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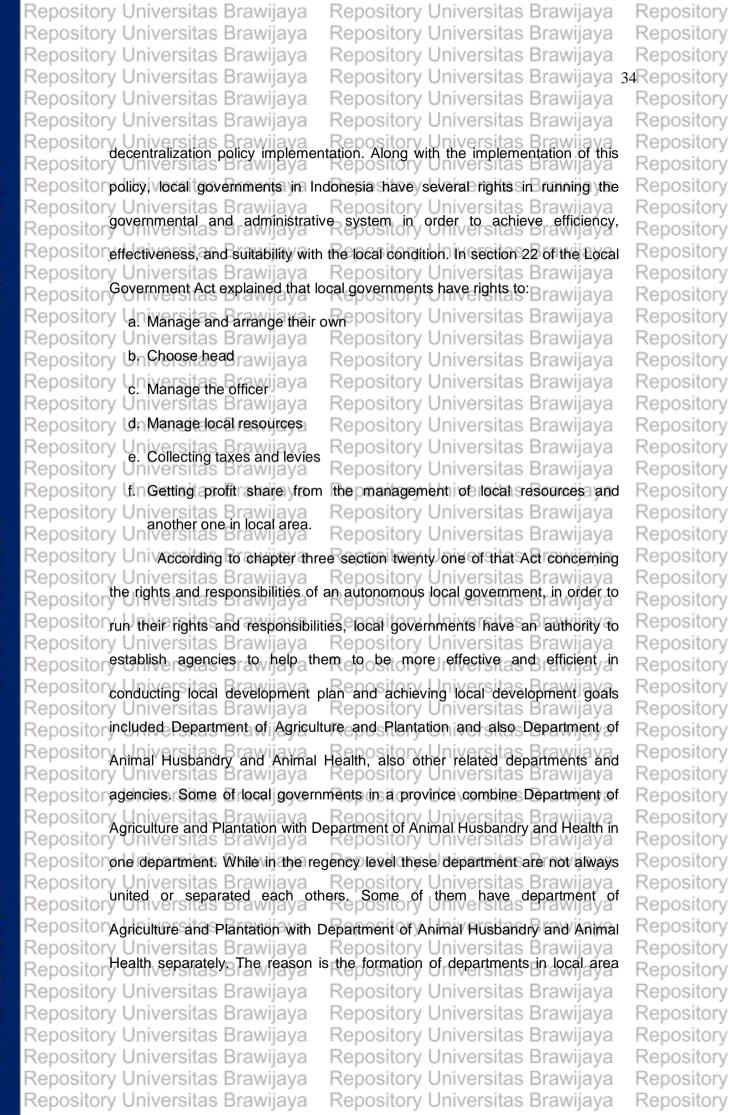
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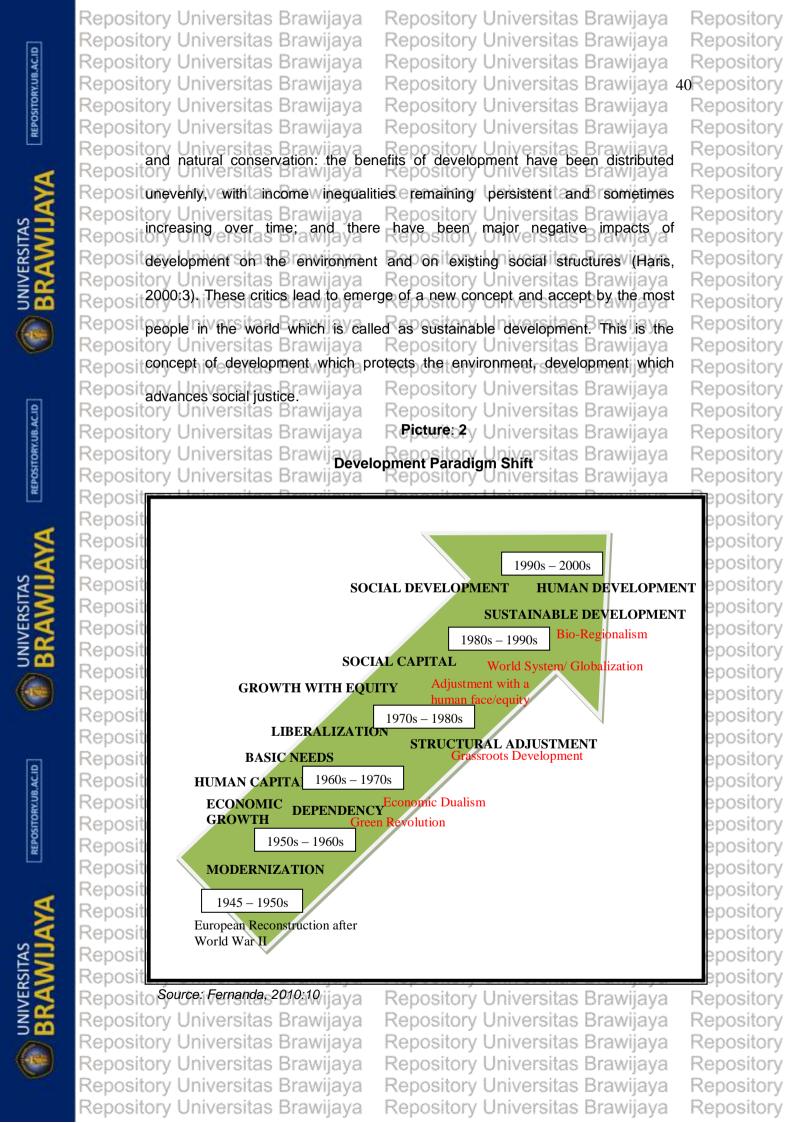
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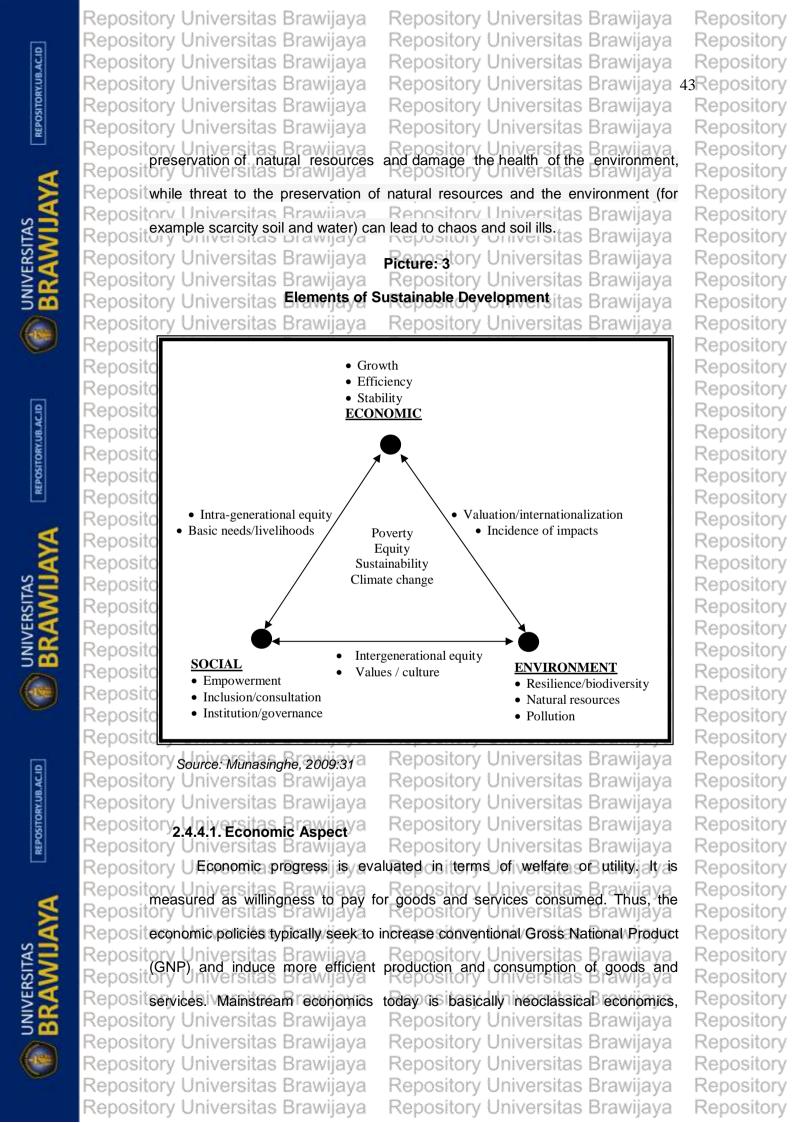
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	(WCED, 1987 in Kates, et al. 2005:2). The needs which are meant here are the	Repository
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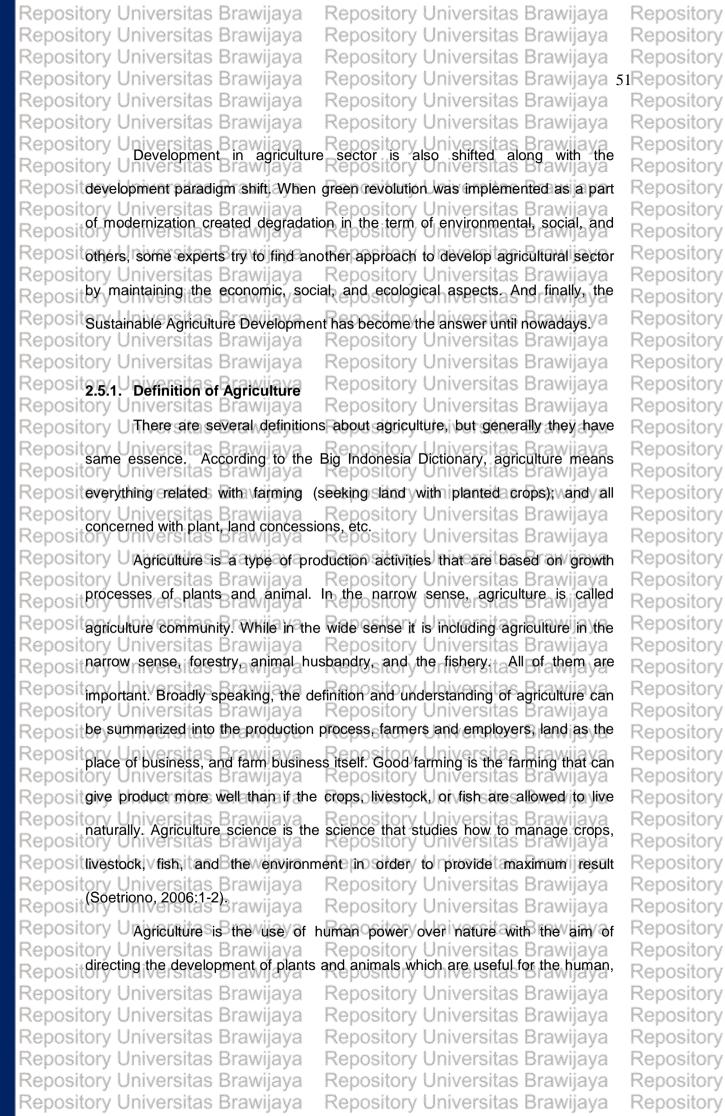
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	Repository University Bravia and maintaining cultural and spiritual integrity of the Repository	Repository
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	Repository Universitas Brawijaya Repository Universitas Brawijaya Repository e. Flexible, which means that rural community have the ability adjustment to	Repository
	Repository e. Flexible, which means that rural community have the ability adjustment to	Repository
	Repository Uthe continual change in farming condition, for example, population	Repository
	Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
	Repository Uncreases policy market demand persitory Universitas Brawijaya	Repository
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	Reposit2.5.4. Aspects of the Implementation of Sustainable Agriculture rawijaya	Repository
	Repository U The concept of sustainable development is oriented into dimensional	Repository
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	Reposit sustainabilities, namely: the sustainable of economic enterprises (profit), human	Repository
	social life (people), and the natural ecological sustainability (planet). These three	Repository
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	Reposit dimensions have influenced each other so that all three should be considered	Repository
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	Repositora. Economic dimension related to the concept of maximization of income	Repository
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	Repository flow that can be obtained by at least retain productive assets which are the	1 9
		Repository
	Repository basis of the income. The main indicators of the economic dimension of this	Repository
	Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
	Repository are the level of efficiency and competitiveness, the magnitude and growth	Repository
	Repository of value added (including earnings), and economic stability. Economic	Repository
	Repository Universitas Brawijaya – Repository Universitas Brawijaya –	Repository
	Repository Idimension emphasizes on the aspect of fulfilling economic needs (material)	Repository
	Repository for both present human generation and future human generation.	Repository
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	Repositor b. The social dimension is populist orientation with regard to the need for	Repository
	Repository Universitas Brawijaya, Repository Universitas Brawijaya	Repository
	Repository social welfare, which is reflected by harmonious of social life (including	Repository
	Repository social conflict prevented), preservation of culture diversity and socio-capital,	Repository
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	Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya ethnic minorities. For that reason, poverty	Repository
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	Repository reduction, equitable of job Popportunity and vincome, social politic	Repository
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Repository Universitas Brawijaya 59 Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya investment and through the implementation of Repository Universitas Brawijaya rice through extensive government Repository Universitas Brawijaya Reposit subsidy programs for fertilizer, pesticide, and irrigations Government also Repository Universitas Brawijava Repository Universitas Brawija increased the use of technology to increase productivity. Over the period 1970-Repo Reposit 1984, the total irrigated land area increased from 3,7 to 3,9 million hectare, the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposituse of subsidies fertilizers increased from 0,2 to 4,1 million ton, and the use of Reposit subsidized pesticides increased from 1080 to 14210 tons. (Hendriadi, 2007: 4). In Repository Universitas Brawijava Repository Universitas Brawijaya Repositaddition, Indonesia was also starting to implement Green Revolution in 1970's Reposit through Panca Usaha Pertanian (PUP) by founding some chemical fertilizer Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit industry, agricultural tools production, and founding of pesticide industry, use Reposit superior variety of Paddy called International Rice (IR), and also give credit Repository Reposit supply to farmer. Based on the history of green revolution, it can be defined Repository Universitas Bravitan is a modern agriculture development policy to Rep Repositanswer food requirement with improving food production by synthetic fertilizers ory Universitas Brawijaya Repository Universitas Brawijaya and the other chemical elements (Widiarta, et al., 2009:3), ersitas Brawijaya Repository Universitas Brawijaya Rep Repository Univone side, Bgreen revolution increased food productivity and self-Repository Universitas Brawijava Repository Universitas Brawijava sufficiency of the country. Even, this country was one of the rice top exported in Repo Reposit the world. But, in another side, green revolution also brought negative impacts Repository Universitas Brawijaya Repository Universitas Brawijaya Repositsuch as environmental degradation and dependency of the farmer on the Reposit government for further agricultural development (Widiarta, et al., 2009:1). Repository Reposit Indonesia's production led approach to achieving food self-sufficiency was not sustainable. There was need for implementation of sustainable agriculture. Reposito Rep ository Universitas Brawijaya epository Repository U In Indonesia, the implementation of sustainable agriculture is conducted Repository Universitas Brawijava Repository Universitas Brawijava through institutional strengthening including regulation formulation which Reposit Repositexclusively concern about implementations of sustainable development. It is Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit proved with the formation of several regulations including: ersitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya 61Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava uce food and earn income but also enhance Repository Uforest resources.awijaya Repository Universitas Brawijaya Repositer, Urempowernment ava Repository Universitas Brawijava Repository Universitas Brawijaya Repository UMany researchers believe that empowerment is one of the most important Reposit factors that influence the success of development. This is because the Repository Universitas Brawijava Repository Universitas Brawijava Repositempowerment activities are able to increase the people abilities and make them Reposit strong enough to participate in a variety of control over, and the influence of Repository Universitas Brawijaya Repository Universitas Brawijaya Repositevents and institutions that affect their lives by emphasizing on the acquiring of Reposit skills, knowledge, and power which is quite affecting their lives and the lives of Repository Iniversitas Brawijava Universitas Brawijava epository Reposit others who become their concern (Parson, et al, 1994 in Suharto, 1997: 223). ya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repositery Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya The concept of empowerment was placed as an antithesis to the model of Repository Reposit development and model of industrialization that are less in favor of the majority of Repository Universitas Brawijava Repository Universitas Brawijaya Reposit the people. This concept is built from the framework of logic as follows: Repositorya. That the process of focusing power is built from focusing the mastery of Repository Universitas Brawijaya Repository Universitas Brawijaya Repository production factors awiiava Repository Universitas Brawijaya Repositoryb, The centralization of production factors will give birth to the worker Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Communities and periphery employer communities versitas Brawijaya Repository c. The power to build a body of knowledge system, political system, and Repository Unanipulative deology to strengthen and legitimate versitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository<sup>d</sup>.Co-optation of knowledge legal systems, and ideology systems, Repository systematically will create two groups of people, namely empowered Repository Universitas Brawijaya Repository Universitas Brawijaya Repository community and powerless community sitory Universitas Brawijaya Repository Universitas Brawijaya

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	Repository URuth J. Parson, et. al. (1994: 112-113) states that the empowerment	Repository
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	Reposit process carried out collectively. She argued that, there is no literature which	Repository
9	Reposit states that the empowerment process occurs in one-on-one relationship between	Repository
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TORY.	Reposit social workers and clients in the setting of individual help. Although this kind of	Repository
ISO4	Reposite empowerment can boost client's confidence and ability, but this is not the main	Repository Repository
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AYA	Reposit collectivity. In some situations, empowerment strategies can be done individually,	Repository
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SS S	Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repositin turn, although this strategy was still associated with the collectivity in the sense	Repository
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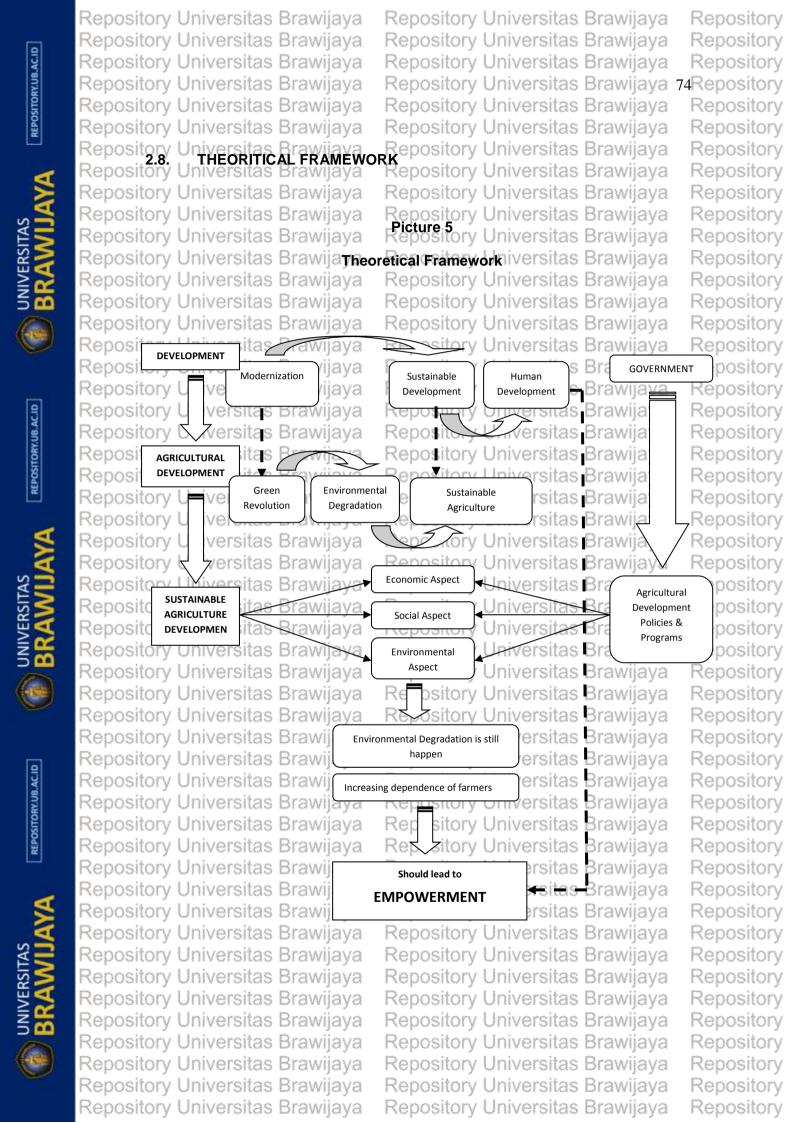
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Repository Universitas Brawijaya Repository Universitas Brawijay 78 Repository Universitas Brawijaya society's occupation where from the total population over the age of 10 years old Repositor Repository Reposit which is in the amount of 1.407.686 people, 511.966 people work in agriculture Repository Universitas Brawijava epository Universitas Brawijava Repositions sector, and the rest of them work in the other major sectors, such as mining, Reposit manufacture, construction, transportation and communication, trade, service, and Repository Universitas Brawijaya Repository Universitas Brawijaya Repositothers (Local Government of Malang Regency, 2010:120-122). In addition, Reposit agriculture sector has been still the highest contributor toward GDRP since over Repository Universitas Brawijaya Repository Universitas Brawijava Reposit the last five years, even the contribution decreases year by year but it is still the Reposit highest contributor toward GDRP in Malang Regency (Local Government of Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Malang Regency, 2010:481). Therefore, the agriculture sector in this regency Reposit should be developed sustainably in order to enhance the social well-being of the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit most of people, especially the people in this district in present and future times.a Repository Universitas Brawilava Renository Universitas Brawijava Repository Universitas brawijaya Repository Universitas brawijaya Repositsituation of the item being examined in accordance with the problems that have Repository Universitas Brawijava Repository Universitas Brawijava been put forward. In this research, the researcher will determine several related Rep Reposit department in Malang Regency as the site, namely Department of Agriculture Repository Universitas Brawijava Repository Universitas Brawijava Repositand Plantation, Department of Forestry, Department of Animal Husbandry and RepositAnimal Health, Department of Marine and Fishery, Environment Agency, Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Department of Irrigation, and Food Security and Counseling Implementer Repositagency liversitas Brawijaya Repository Universitas Brawijava 3.4. SOURCES AND TYPES OF DATA Pository Universitas Brawijava Repository Universitas Brawijaya Repository universitas brawijaya Repository UThe data resources can be simply explained as places where the data Repository Universitas Brawijava Repository Universitas Brawijava Repository on which the data can be Repositobtain and support the research. Related to the qualitative research method, Repositorv Universitas Brawiiava Repository Universitas Brawijava Reposit John Lofland and Lyn H. Lofland in Lexy J. Moleong (2000: 112) explained that Repository Universitas Brawijaya Repository Universitas Brawijaya

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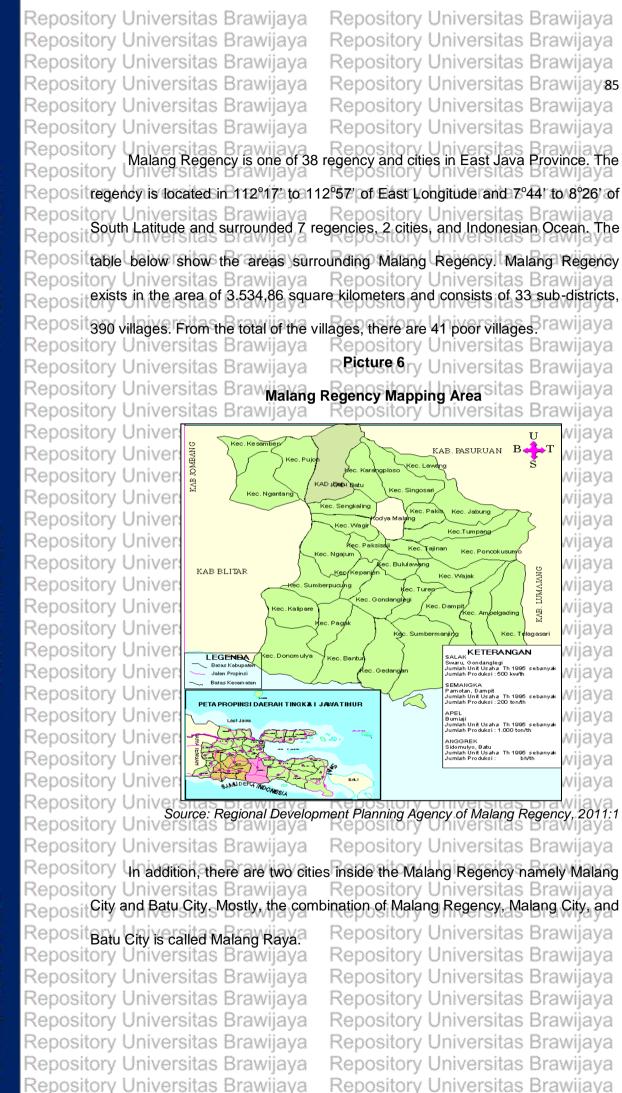


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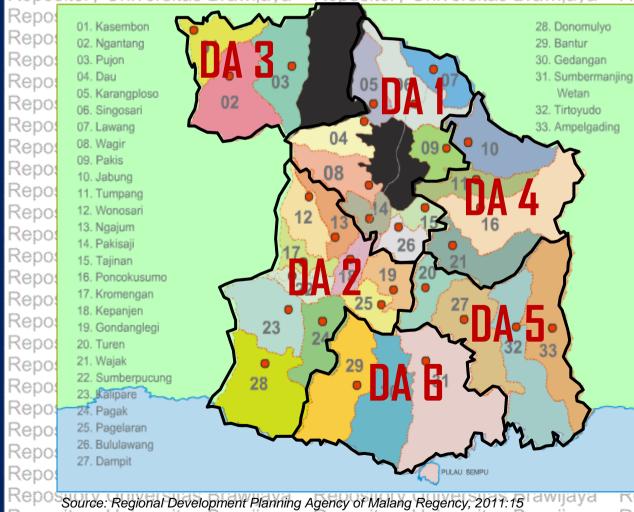
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	Repository UFrom the table above, it can be seen that the major land usage in Malang	Repository
	Reposit Regency is for agriculture sector. Even the amount is fluctuated every year and	Repository
5	Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
2	Repositends to be decreased in 2011, but it still uses around 70% of total area of this	Repository
	Reposit regency. The reduction of the amount of agriculture is maybe caused by the	Repository
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2	Reposit conversion of agriculture area to housing area, as shown by the table that land	Repository
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3	Repository Universitas Brawijaya usage for housing area increase rapidly in 2011. Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
	Repository UAs stated above that related to its geographical condition, an agriculture	Repository
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	Repositor sector is the major sector in this regency and has the biggest contribution toward	Repository
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	Repositeconomic development in this region. This sector also has important roles in	Repository
	Repository Universitas Brawijaya Repository Universitas Brawijaya Repository community welfare and provides occupation to the society. But, the condition of	Repository
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	Reposit this sector tends to decreased year by year sitory Universitas Brawijaya	Repository
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	Repository U Many definitions of agriculture and every definition have their own	Repository
6	Reposit meanings and influence the understanding of the people. Malang Regency	Repository
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5	Reposit defines agriculture as all activities that related to maintaining and picking up the	Repository
2	Reposit living and biologic materials from the nature for fulfilling daily needs or sold to the	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijay 89 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository are related to agriculture) (Regional Development Planning Agency of Malang Repository Universitas Brawijaya Reposit Regency, 20011:16) Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository UIn general, agriculture activities are consisted of the activities such as Reposit fishing, planting, breeding, maintaining and taking forest product including Repository Universitas Brawijava Repository Universitas Brawijaya Repositanimal. While Malang Regency determines agriculture sector is consist of Reposit several sub-sectors namely food plantation, garden plantation, animal husbandry Repository Universitas Brawijava Repository Universitas Brawijava Repositand its product, forestry, fishery, and agriculture services (Regional Development Reposit Planning Agency of Malang Regency, 2011:16).ry Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Agricultures is therefore a foremost sector in the Malang Regency's Reposit economy. According to the Department of Agriculture and Plantation, most of the Repository Universitas Brawijava Repository Universitas Brawilava Reposit Malang Regency area is dominated by agricultural land, namely 15,44% (49.519 Reposite hectare) wetland, 30,77% (98.685 hectare) field/ garden, 6,11% (19.578 hectare) Rep Repositplantation area, and 2,91% (9.325 hectare) forestly Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U In order to support the agricultural resources, the local government Repositestablished irrigation networks including permanent dam, water building, water Repository Universitas Brawijava Repository Universitas Brawijava Reposit resources, sluice, and water bearer channels dedicated to provide irrigation of Reposit 43.202 hectare of paddy field. Most of the irrigation network is technical irrigation Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit irrigating about 27.808,50 hectare (64,37%) of paddy field. While, semi technical Repositivity irrigation irrigated 6.179,50 hectare (14,30%), and simple irrigation irrigated about Repository Universitas Brawijaya Universitas Brawilava (epository Reposit 9.214 hectare (21,33%). According to the data of Department of Irrigation, in 2010, there was no land use transfer Repository Universitas Brawijaya Reposit ository Repository Universitas Brawijaya Rep Universitas Brawijaya Repository U Food production, especially rice production in 2010 reached 450.685 ton Repository Universitas Brawijava Repository Universitas Brawijava an increase over the previous year, even compared to 2008. Maize and cassava Reposit as substitute commodities also rose. Meanwhile, crops commodities such as Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit sweet potatoes, soybeans and peanuts have increased as well as Brawijaya Repository Universitas Brawijaya

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×	Repositor	8 <sub>11</sub> Fig	ance, Re	ntal and Com	pany Service	3,85/e	rsftas	Bra₩jaya	4,28ep	ository
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ZITA.	Repository	Source:	Regional	Development F	Planning Agency of	f Malang I	Regency,	, 2012:16	Rep	ository
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	Repository	pproxim	ately 30%	6 per year. It	proves that this s	sector/is	the maj	or potential c	f Rep	pository
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			is region. Furth			
R	epository	egency, this co	ndition influence	es the ability of	this sector in p	roviding job for
R	epositor <u>y</u>	Universitas	Brawijaya	Repository	Universitas	Brawijaya
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Repository	Universitas	Brawijaya	Reposi	itory Univ	ersitas Br	awijaya
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Repositor <sup>st</sup>	Universitas	Brawijaya	Reposi	itory Univ	ersitas Br	awijaya
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Repository Universitas Brawijaya Repository Universitas Brawijay94 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya 4.4. Governmental Condition of Malang Regency / Universitas Brawijaya Universitas Brawijaya Repository Universitas Brawijaya epository Repository U Malang Regency is the second largest of 38 regencies and municipalities Repository Universitas Brawijava Repository Universitas Brawijay in East Java Province, with the center of government is in Kepanjen sub-district. Reposit In the past, Batu City was included in the Malang Regency, but in 2001 it was Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit separated after designated as a city. This regency consists of 33 sub-district Reposit (Kecamatan) which lis divided again into 378 villages and 12 kelurahan. Repository Universitas Brawijava Repository Universitas Brawijaya Reposit Furthermore, each desa and kelurahan is divided into several smaller groups in Reposit order to be able to implement and formulate the development programs properly. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U This regency is a region that is headed by a regent. In order to carry out Reposit its tasks and functions, this regency is helped by 19 agencies and 15 technical Repository Reposit institutions, and also a local secretariat that consist of four sub-divisions namely Repository Universitas Bravia, public relations, organization, and administrative Reposit sub-division. In the field of social welfare there are 2 subsections, namely mental Repository Universitas Brawijava Repository Universitas Brawijaya Repositional and spiritual development and also community welfare. In the field of economic Repositand developments there are 4 subsections namely economy, cooperation, Repository Universitas Brawijava Repository Universitas Brawijava Repositelectronic data management and development planning. The last, in the field of Reposit Governmental Assistant there are 4 subsections also, namely public governance, Repository Universitas Brawijaya Repository Universitas Brawijaya Repositvillage governance, law, and land affairs. In order to carry out their tasks and Repositions related to licensing, those departments are helped by a certain unit, Universitas Brawijaya Repository Universitas Brawijaya Repository Reposit namely integrated Licensing Services Unitository Universitas Brawijaya Repository Universitas Brawijaya

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	1. D		Governmental Economic and Administration Community
	<ol> <li>Regency Inspectorate</li> <li>Local Personnel Agency</li> </ol>	<ol> <li>Education</li> <li>Youth and Sports</li> </ol>	Governmental     Economic and     Administration     Community     LHR       Assistant     Development     Assistant     Welfare     DOO     Secretariat
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Licensing Services	5.National Unity and Politic Agency	Information 7. Population and Civil Registrar	Governance Street Stree
Unit	6. Environment Agency	8. Culture and Tourism	Subdivision of Protocol Welfare Subdivision
	7.Food Security and	9. Highway Construction and Maintenance	of Village Subdivision of Conference
	Counseling Implementer Agency	10. Irrigation	Governance Subdivision of Administration Subdivision
	8.Community Empowerment	11. Copyrighted Creation and Layout	Development and Spiritual of Common
	Agency 9.Education and Training	12. Cooperative, Micro, Small and	Subdivision of Law Planning Subdivision of Public Relation ment
	Agency	Middle Enterprise 13. Industry, Trade, and Market	Subdivision of Subdivision
	10. Family Planning Agency	14. Agriculture and Plantation	of Land Management Organization of Finance
	11. Library, Archives, and Documentation Agency	<ol> <li>Marine and Fisheries</li> <li>Forestry</li> </ol>	A station sitory Universitas Brawilaya Repository
	12. Investment Office	17. Energy and Mineral Resources	Sub-district
	13. Women Empowerment and Child Protection	18. Animal Husbandry and Animal Health	itory Universitas Braw Line of Administrative
	Office	19. Revenue, Finance and Asset	Village Coordination Universities Braw
	14. Housing Office	Management	Line of Coordination at the
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r	Repository Universitas Brawijaya From the chart above can be seen that Repository Universitas Brawijaya	Malang Regency has job and	F
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)	Reposit This aims to be able to run development and gov		F
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ļ	Repositavoid overlapping tasks and authorities that car		h
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ļ	Reposit Government of Malang Regency, which stated that	t agriculture sector is consist of	5
	Reposit several sub-sectors namely food plantation, garde		F
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Repository Universitas Brawijaya Repository Universitas Brawijay97 Repository Universitas Brawijaya department related to this matter are Environmental Agency, Food Security and Reposito Re versitas Brawijaya ositor Reposit Counseling Implementer Agency and Department of Irrigation it as Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor 4.5.111 Department of unigation Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni According to the Document of Strategic Planning of Department of Repositor Irrigation for the period of 2011-2015, Department of Irrigation is an Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor operational agency of Malang Regency Local Government in term of irrigation Repositor led by a leader who is under and responsible to the Regent through Local Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor Government Secretary. This department is responsible for helping the Regent Repositor local area particularly in Irrigation affairs. In governing and developing Repository Jniversitas Brawij Repositor addition, it also has responsibility to implement the central and provincial Repository Universitas Brav government's policies Repository Universitas Brav Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univorganizational structure of Irrigation Department of Malang Regency is Repository Universitas Brawijaya Repository Universitas Brawijaya Repository built under the Regent Regulation No. 13/2008 concerning The Local Repositor Personnel Organization of Irrigation Department as a follow up of the Repository Universitas Brawijava Repository Universitas Brawijava Repositor implementation of local autonomy in order to strengthen the authority, Repositor efficiency, Sieffectiveness, Vinstitutional Sperformance, Shuman resources Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor improvement, and management information. According to Bthis regent Repositor not the agent of central and provincial regulation, this department is Iniversitas Brawijaya Repository Repositor government. Therefore, the department is responsible to the head of local Repository government through local government secretary. In order to do its tasks, the Repository Univers Repositor Irrigation Department has some divisions sitory Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Division of Water Resources Development and Conservation focuses Repository Uni Repositor its job to develop and recover the irrigation and water resources in Malang Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor Regency, by doing collection and identification of water resources and Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay 98 Repository Universitas Brawijaya Repository Universitas Brawijava irrigation, development, management and conservation of water resources, Repository Universitas Brawijava / Uni Repositor survey, mapping and planning of water resources and irrigation. Division of Repository Universitas Brawijava Repository Universitas Brawija development has tasks to perform some Irrigation Department's tasks related Repositor with niverification B and / J quality monitoring, / development, improvement, Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor rehabilitation, and restoration of disaster impact related with water resources Repositor and irrigation. Therefore, this division has important role to develop water Repository Universitas Brawijava Repository Universitas Brawijaya Reposito resources and irrigation cooperate with the Water Resources Development Repositor and Conservation as well as conduct monitoring to the development process. Repository Universitas Brawijaya Repository Universitas Brawijava Repositor While Division of Operation and Maintenance responsible for operate and Repositor irrigation as well as manage it. The last is maintain water resources and Repository Repositor Division of Usage: This division responsible for using water resources, epository Universitas Repository Universitas Brawijaya irrigation, public services, controlling, evaluation, and illumination of water Repository Repositor resources, irrigation, and organization. Besides conducting the special tasks, Repository Universitas Brawijava Repository Universitas Brawijaya Repositor each division also has responsibility to conduct the other appropriate Repositor responsibilities given by the head of Irrigation Department. These divisions Repository Universitas Brawijava Repository Universitas Brawijava Repositor indicate that Irrigation Department performs data collection, development, Repositor maintenance, and usage of water resources and irrigation. Each division is led Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor by a head of division. In order to support its work, each division is helped by Repository Universitas Brawijava three sub divisions (see appendix 1). Repository Repository Universitas Brawijaya Universitas Brawijava Repository Uni According Ito the Strategic Planning of Irrigation Department, this Repository department has 221 employees consisted of: 2 prospective civil servants, 192 Repository Repositor civil servants, and 27 non civil servants (Department of Irrigation of Malang Repository Universitas Brawija Repository Universitas Brawiiava Repositor Regency 2011: 8). Comparing with another department, the Department of Repositor Irrigation has more enough employees to manage water resources in their Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor responsible area. However, the human resources still need to be developed. It Repository Universitas Brawijaya Repository Universitas Brawijaya

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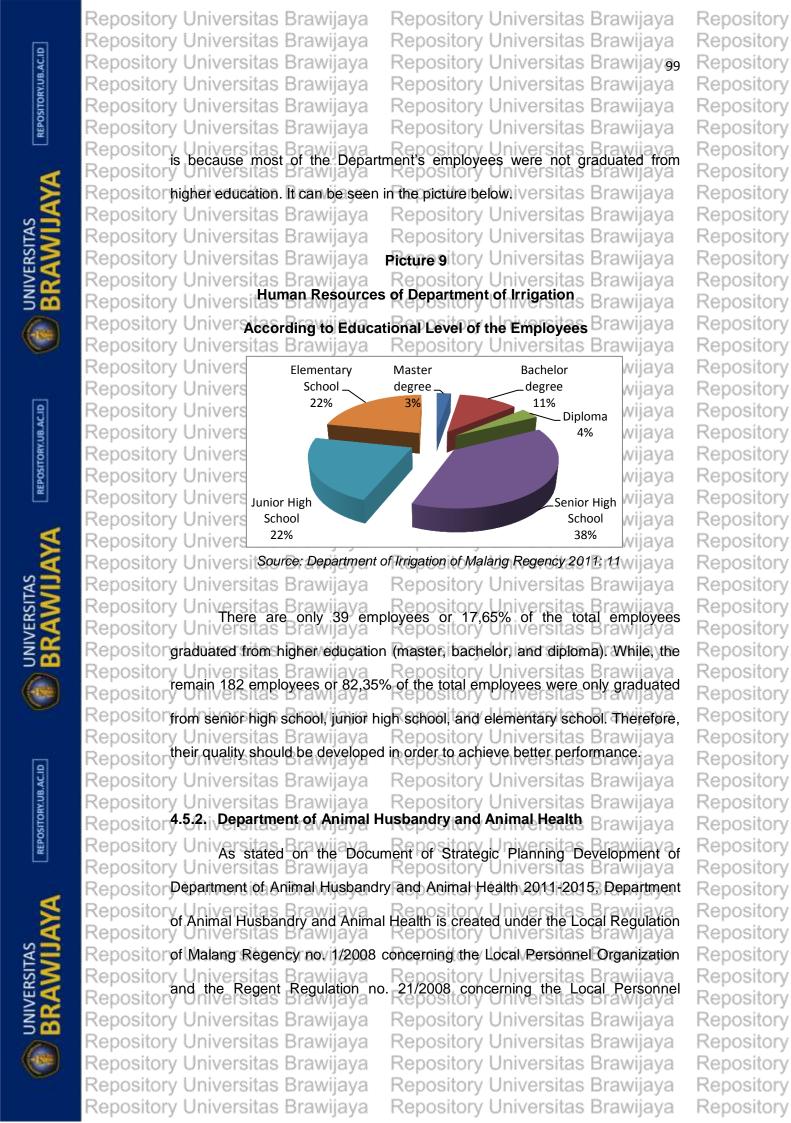
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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijava Organization of Department of Repository Universitas Brawijaya Animal Husbandry and Animal Health is Repositor implementing element of regional autonomy in the areas of livestock and Repository Universitas Brawijava pository Universitas Brawija animal health. The department is led by a leader in performing its duties under Repositor and responsible to the Regent through local secretary. This department is Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor responsible to perform some of local government's tasks in the areas of Repositor livestock and animal health under decentralization and co-administration Repository Universitas Brawijava Repository Universitas Brawijaya Repositor system. In addition, the Department is also responsible to do other appropriate Repositor tasks given by the Regent. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni Department of Animal Husbandry and Animal Health has 4 divisions for Repositor conducting its operational duties and policy implementation, namely: Division Repository iniversitas Brawijava epository Universitas Brawijaya Repositor of Production Department, Division of Livestock Business Development, Division of Human Resources and Institutional Development, and Division of Repositor Repository Repositor Animal and Society Health. Each division is led by a leader who is under and responsible to the head of the department. They also have 3 sub divisions to Repository Universitas Brawijaya Repositor Repositor do their task lease (see appendix 2) epository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Uni In order to manage animal husbandry and health, the Department of Repositor Animal Husbandry and Animal Health has 132 employees which consist of 56 Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor civil servants, 2 prospective civil servants, 74 temporary employees. It can be Repositor conclude that most of the Department's employees are temporary employees. Repository Universitas Brawijaya Universitas Brawijaya Repository Repositor The Department only has 58 permanent employees or about 43,93% of all Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya ersitas Brawijaya Repository UnivTherefore, Binaterm of quantity, the Department should develop its Repository Universitas Brawijava Repository Universitas Brawijava employees to be able to perform better. Most of the Department's employees Repositor graduated from bachelor degree and only one employee graduated from Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor diploma. In addition, there are 50 employees or about 38% of them graduated Repository Universitas Brawijaya Repository Universitas Brawijaya

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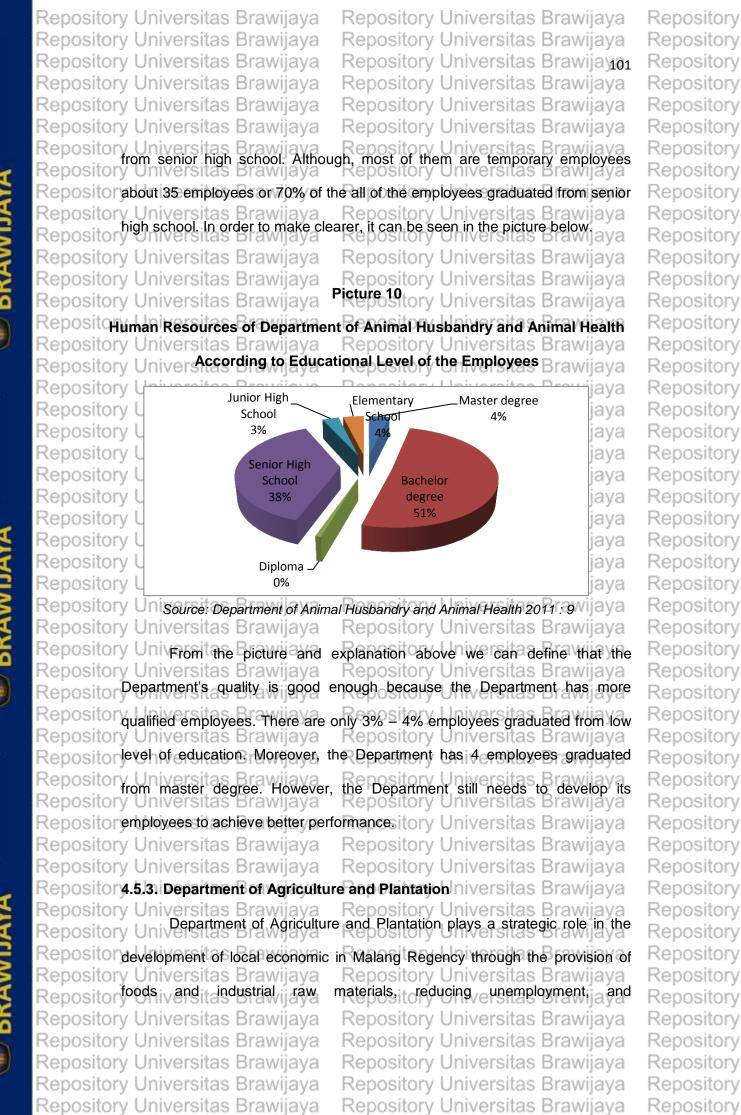












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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya environmental protection. The Repository Universitas Brawijaya Department is established under Local Repositor Regulations no 17/2008 concerning the Local Personnel Organization of Repository Universitas Brawijava Repository Universitas Brawijava Department of Agriculture and Plantation. The Department has major task to Repositor perform its authority in the area of agriculture and plantation. Similar with the Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor other departments, the Department of Agriculture and Plantation must also Repositor conduct other appropriate tasks given by the Regent. Versitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni Department of Agriculture and Plantation is an implementation element Repositor of Malang Local Government in the area of agriculture and plantation. This Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor department is divided into 4 divisions which are under and responsible to the Repositor head of Department, namely: Division of Food Production and Horticulture, Repository Repository Universitas Brawijaya Universitas Brawijaya Repositor Division of Plantation Production, Division of Processing and Marketing of Repository Universital Bray and Agricultural Business (see appendix 3). Brawijaya Repository University order to manage agriculture and plantation resources in Malang Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor Regency, the Department of Agriculture and Plantation has 114 employees. Repositor Most of the employees graduated in bachelor degree about 44 employees Repository Universitas Brawijava Repository Universitas Brawijava Repositor (38,6%) and senior high school about 48 employees (42,11%). The Repositor Department of Agriculture and Plantation is the only one department dealing Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor with agricultural development which is not has employees who are graduated Repositor in elementary school. In order to get further understanding, it can be seen in Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor the picture below Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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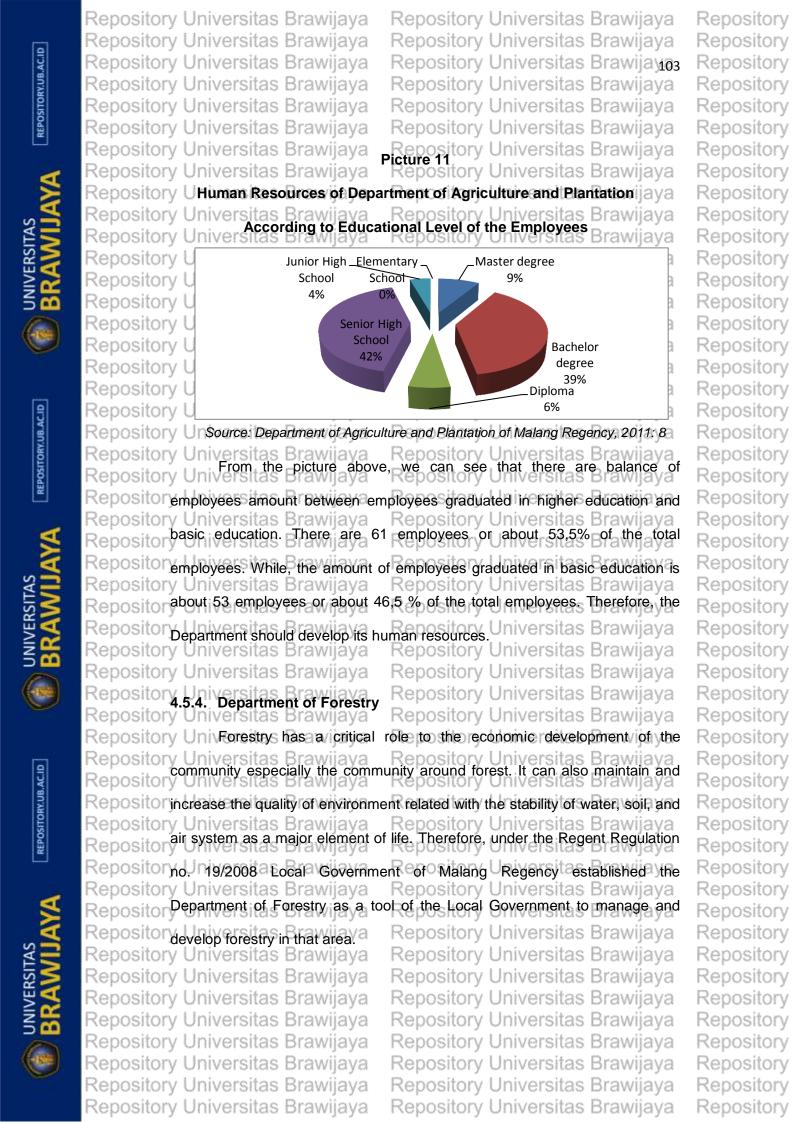














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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya From the picture above we can state that Most of the employees Repository Universitas Brawijaya Repositor graduated from higher education. There are 76,92% employees graduated Repository Universitas Brawija Repository Universitas Brawijav Repositor from higher education and the rest of 23,08% employees graduated from Repositor Senior High School, Junior High School, and Elementary School. It is good for Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor developing department in order to manage forestry because most of the Repositor employees graduated in higher education particularly bachelor degree. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Bravilava and Fisheriesry Universitas Bravijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni Malang Regency is a big area. Most of the areas are located in the Repository Universitas Brawley Regency has many natural resources included Repository Universitas Brawley Regency has many natural resources included Repositor marine/and fisheries resources. In order to managerits resources, Local Repository Universitas Brawijaya Government established the Department of Marine and Fisheries under the Repository Repositor Regent Regulation no. 18/2008 concerning the Local Organization of the Repository Universitas Brawijaya the Repositor Department of Marine and Fisheries is an implementing elements of Local Repository Universitas Brawijava Repository Universitas Brawijava Repositor Autonomy in the area of marine and fisheries. Therefore, the Department has Repositor responsibility to perform the local government affairs in the area of marine and Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor fisheries according to the system of decentralization and co-administration.va Repository Unit The Department of Marine and Fisheries consists of Secretariat and 4 Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor divisions, namely: Division of Aquaculture, Division of Marine and Fisheries Repository Universitas Brawiava Resources, Division of Services and Human Resources Development, and Repositor Division of Marine and Fisheries' Business. Divisions of Aquaculture is Repository Universitas Brawijaya Repository Universitas Brawijava Repositor responsible to develop aquaculture. Division of Marine and Fisheries Repositor Resources is responsible to manage and develop marine and fisheries Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor resources. Division of Services and Human Resources Development is Repository Universitas Brawijaya Repository Universitas Brawijaya

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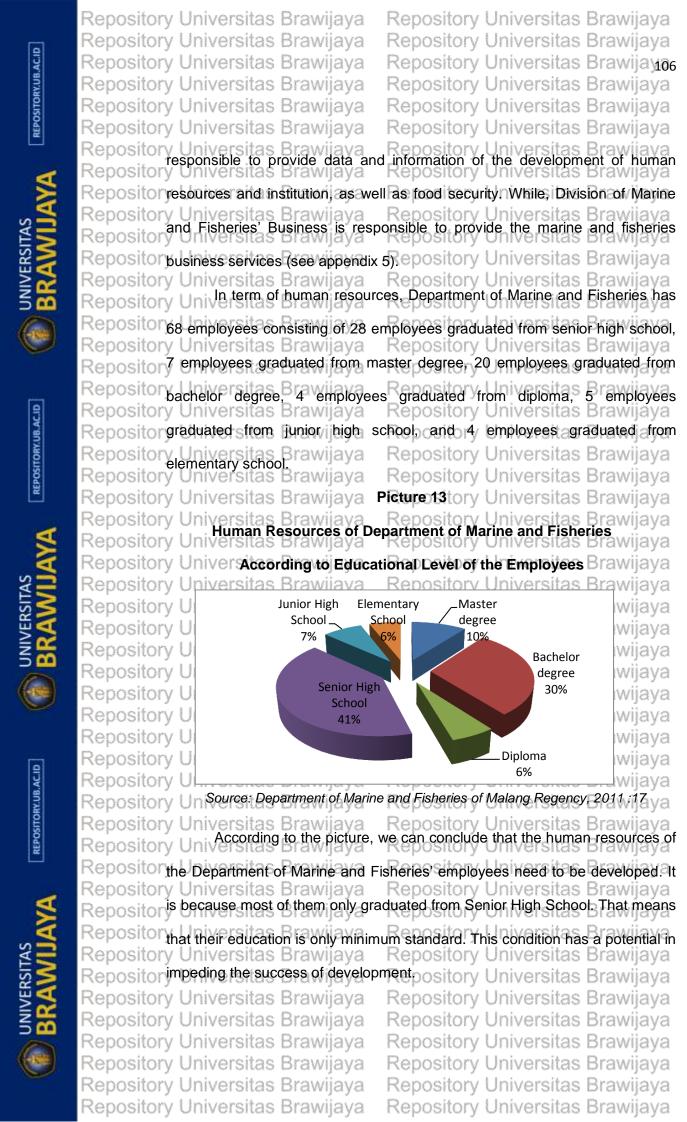


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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya 4.5.6. Food Security and Counseling Implementer Agency Repository Universitas Brawijaya Repository University Regency is agricultural and marine areas Therefore, Malang epository Universitas Brawijava Repository Universitas Brawijava Reposito Regency has a wide community forest with the high biodiversity. It is a Repositor fundamental capital for achieving food security. In order to managing those Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor resources, Local Government of Malang Regency established the Food Repositor Security and Counseling Implementer Agency under the Regent Regulation Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor No. 29/2008 concerning Local Organization of Food Security and Counseling Repositor Implementer Agency. The Agency has played role in controlling food Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor distribution, formulating policies of food security, controlling quality and food Repositor safety, and development of alternative foods, also empowering the farmer Repository Repository Universitas Brawijaya Repositorcommunitiestas Brawijaya roles, the Agency established 4 divisions, Repository Universitas Brawijava Repository Universitas Brawijava Repositor namely Division of Food Availability and Distribution, Division of Consumption Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor and Food Diversity, Division of Counseling Program Development, and Repositor Division of Human Resources and Institutional Development (see appendix 6). Repository Universitas Brawijava Repository Universitas Brawijava Repository UnivThe Food Security and Counseling Implementer Agency Environment Repositor Agency is new agency because it was established on 2008. Therefore, this Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor agency still has limited employees. Recently, the Department has 39 Repositor employees which most of them graduated from bachelor degree. The Universitas Brawijaya Repository Universitas Brawijaya Repository Repositor insufficient number of employees makes this department face some difficulties Repository Universitas Bravilaya to perform annual activities. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository iniversitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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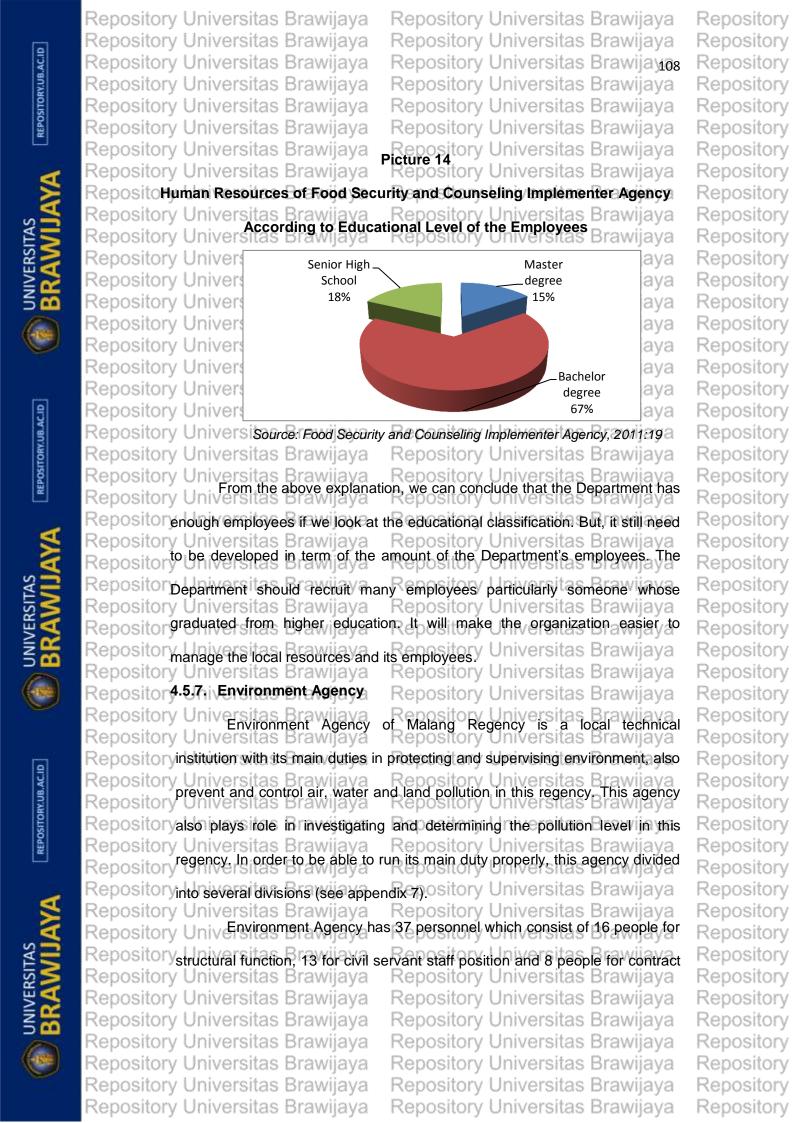
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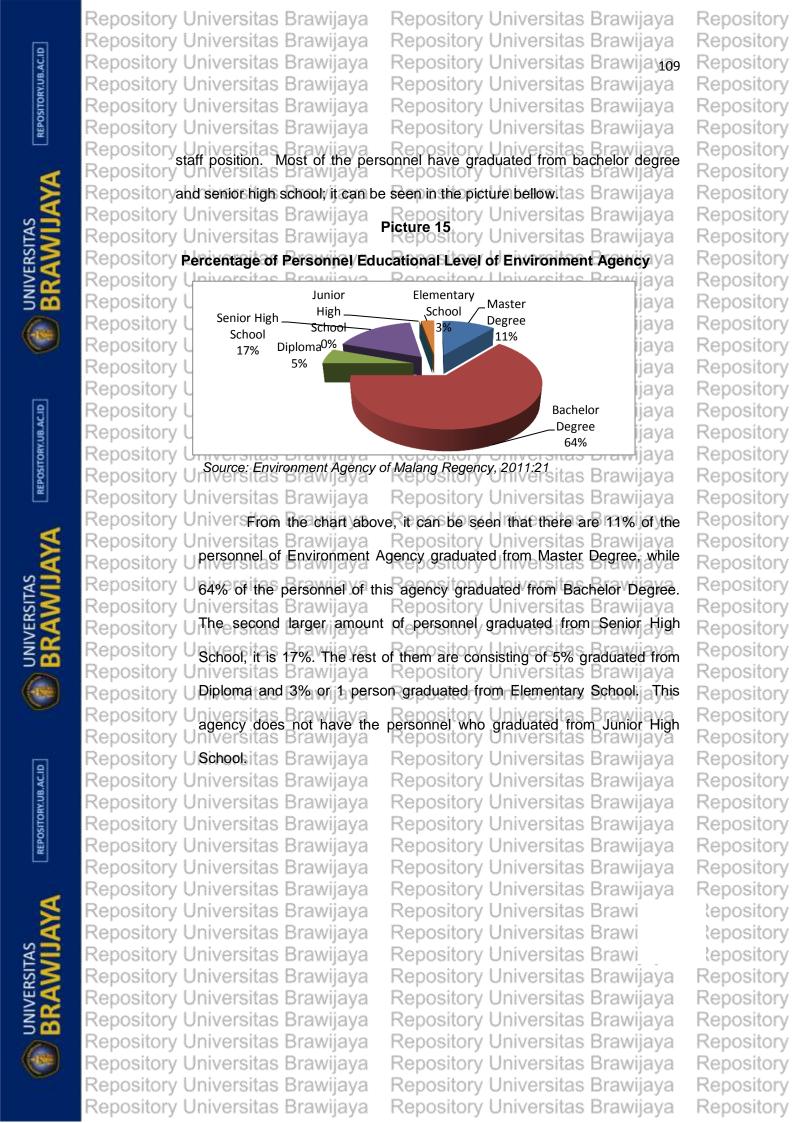












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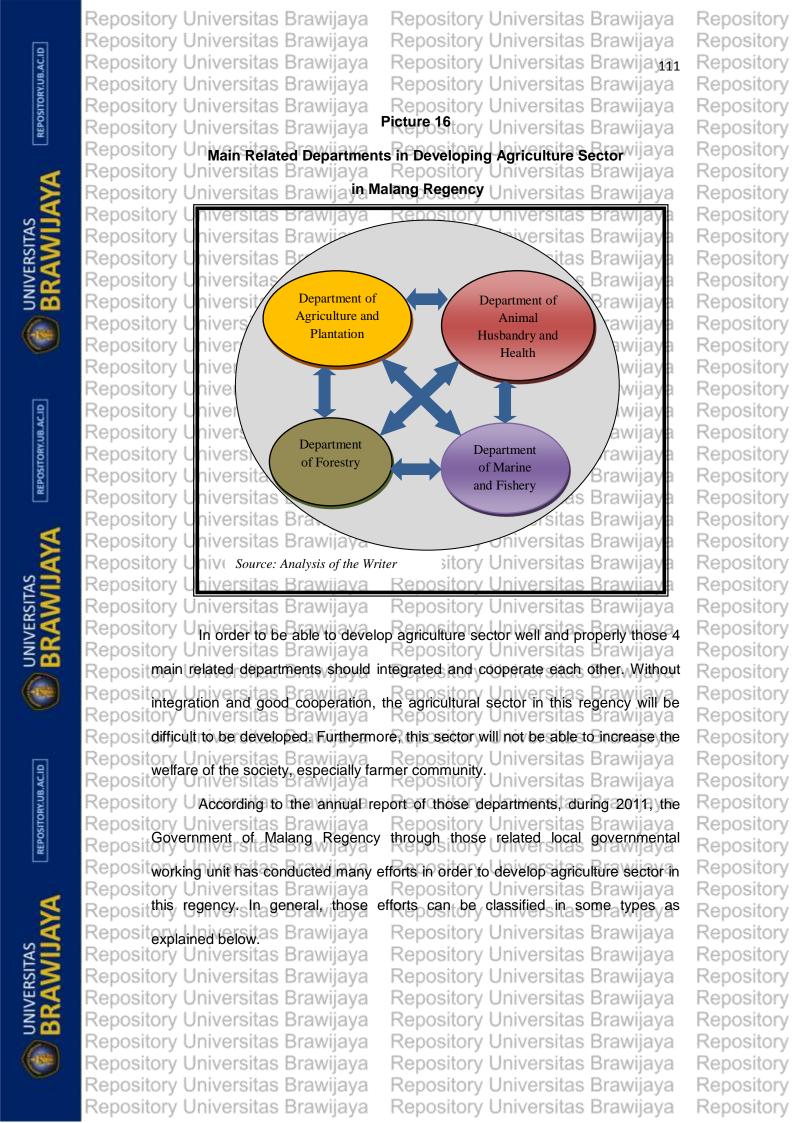












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Repository Universitas Brawijaya Repository Universitas Brawijaya3 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Usocial aspect to be more considered by empowering society to be more Repository Universitas Brawijaya Repository Universitas Brawijava Giving capital assistance is conducted by almost every related Repository Universitas Brawijava Repository Ulocal governmental working unit in order to increase productivity and value Repository Universitas Brawijaya of agricultural products, for example agricultural product processing and Repository Universitas Brawijaya Repository Umarketing equipment also superior seeds. Some of the equipment procurement comes from national and provincial government. This capital Repository Universitas Brawijava Repository U Repository Uassistance is always given as a grant to selected farmer or farmer group. Repository Universitas Brawijava Repository Universitas Brawijava Except financial capital assistance where the local government only pays Repository Repository U some interest that should be paid by the farmers to the selected financial Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Ungeneyitas Brawijaya Repository Universitas Brawijaya Repository Universitias Brawlin will create a dependency of the farmer to the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U government, and make it growing higher. It is because the farmers will not Repository University of belonging responsibility to take care and use maximally Repository Repository U that equipment. Furthermore, this system will impede the achievement of Repository Universitas Brawija epository Universitas Brawija sustainable agriculture in this regency, because sustainable agriculture Repository Repository Udevelopment require independent farmer to develop agriculture sector, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U while independent farmer can be created by empowering the farmer and Repository Ureducing their dependency toward other stakeholders Sitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U5115rs<u>Chemical Usage</u> Repository Universitas Brawijaya Repository University Chemical Usage is still implemented in Malang Regency in order Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U to develop agriculture sector. This chemical input uses in the form of Repository Universitas Bravia order to eradicate pest that destroy agricultural Repository Universitas Brawijaya niversitas Brawijaya edositorv Repository Uplant rsDuringB 2011 jathe chemical fertilizer usage in this district is Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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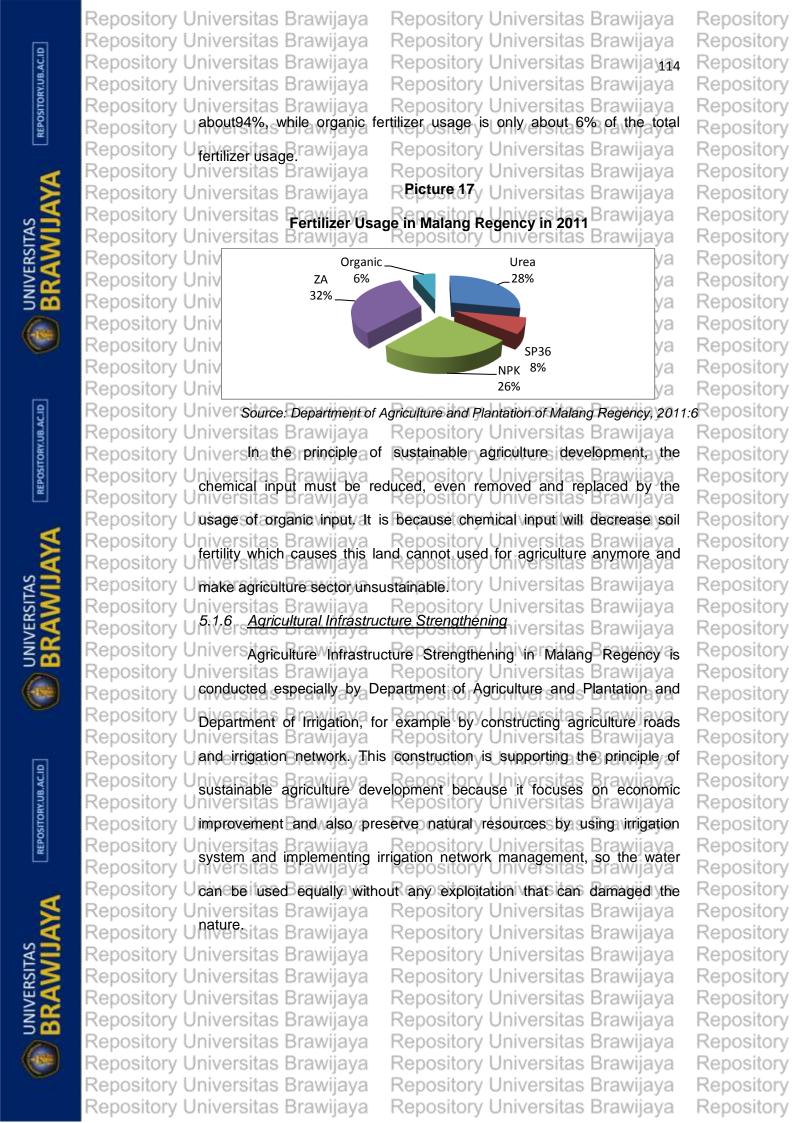
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Repository Universitas Brawijaya Repository Universitas Brawijaya6 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UIn sustainable development theory stated that sustainable development Reposit consist three aspects that influence each other and should be considered equally, Repository Universitas Brawijaya Repository Universitas Brawijava Reposit namely economic, social, and environmental (Suryana, 2005:45). This theory Reposit requires that development activity should be able to increase economy along with Repository Universitas Brawijaya Repository Universitas Brawija Reposit increasing social capital by empowering society while preserve the nature, java While many literatures stated that the concept of empowerment is an Repository Repository Reposit alternative e conceptB of wdevelopment, p therefore U both r empowerment a and Repository Universitas Brawilaya Repository Universitas Brawilaya Repository development aim to achieve better quality of life which finally leads to the Repositachievement of welfare. This statement is based on the fact that the previous Repository Universitas Brawijaya Repository Universitas Brawijava approach of development which only focused on economic growth has created Rep Reposit many negative impacts as the problems that need to be solved, for the example Repository Universitas Brawijaya Repository Universitas Brawijaya Repositare natural destruction and un-well distribution of development results. Reposit Furthermore, this condition creates a big gap between capitalist and lower-middle Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit class, where the capitalist with their capital has big power to access all facilities in order to achieve their welfare, even their big power can control over the Reposit Rec Universitas Brawijaya ository Reposit powerless which is dominated by lower-middle class society who can only access orv Universitas Brawijava epository Universitas Brawija Reposit limited facilities just to survive by being lower-class workers and still far for Repositachieving welfare. In addition, this condition creates dependency of lower-middle Repository Universitas Brawijaya Repository Universitas Brawijaya class toward capitalist, and this dependency made the capitalist can control over Repo Reposit the lower-middle class easily ava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository U The concept of empowerment emerge to answer the problem that caused Reposit by the implementation of development paradigm which emphasized on economic Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit growth. Through human development approach which is brought by the concept Reposit of development, the powerless people can increase their ability by acquiring of Repository Universitas Braw epository niversitas Braw Reposit and strengthening skills and knowledge, also considering their participation in Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya7 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit development process that can make them strong enough to participate in a Reposit variety of control over, which in turn make them free from the dependency toward Repository Universitas Brawijaya Repository Universitas Brawijava Repositothers. In another word, empowerment aims to deliver the community to the Reposit process or stage of independence by increasing people's knowledge, skill and Repository Universitas Brawijaya epository Universitas Brawijaya Repositability in meeting their needs and participating development activities; it should Repository Universitas Brawijaya not trap the people into the dependency trap. Empowerment concept which Repository on the states Brawijaya Repositemphasized on human development viewed as a proper and effective approach Repository Universitas Brawijaya Repository Universitas Brawijaya Repository evelopment where human itself as the subject and object of development Repositorocessiversitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Taking a consideration toward sustainable development theory and Repositempowerment theory, it can be seen that these two theories has very close Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit relationship and influence one another. Empowerment theory views that human is Reposit the center of development process that should be developed first. While Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit sustainable; development/ requires The integration of economic, social and environmental aspect and considering these aspects equally. This social Reposit Rep ository Reposit development usually refers to the improvement of both individual well-being and Repository Universitas Brawijaya Repository overall social welfare by empowering community through increasing Repository Universitas Brawijaya Reposit knowledge and skill. Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Units principle also applies to sustainable agriculture development as the Reposit implementation of sustainable development in agriculture sector. In this case is Repository Universitas Brawijava Repository Universitas Brawijava Reposit can be said that sustainable agriculture development is the concept which tries to Repositachieve increase of farmer economy while empowering farmer society and Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit preserve agricultural land. Taking a consideration toward the close relationship between sustainable development theory and empowerment theory, and these Reposit Repository Universitas Brawijaya epository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya8 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit two theories influences one another, farmer empowerment is very important to be Reposit conducted in order to achieve sustainable agriculture. Repository Universitas Brawijava Repository Universitas Brawijaya Repository U Malang Regency promotes sustainable agriculture development as the Reposit implementation of sustainable development in agriculture sector. This is as stated Repository Universitas Brawijaya Repository Universitas Brawijaya Repositin the Middle Term Development Planning of Malang Regency 2010-2015, which Repository is in chapter VI point 6.3 section 8c number 1 of this document stated that the Reposit principles / of sustainable / development is mainstreamed into all areas / of promote and implement sustainable Repository Universitas Brawijaya development. The requirement to Rep OSI Reposit development also stated in other legal frameworks such as Local Regulation of Repository Universitas Brawijava Repository Universitas Brawijava Malang Regency Number 7 of 2010 on Control of Pollution and Environmental Repo Reposit Damage, and also Local Regulation of Malang Regency Number 6 of 2008 Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi concerning Long Term Development Planning 2005-2025. It means that this Reposit regency must implement sustainable development in all development sectors Repository Universitas Brawijaya Repository Universitas Brawijaya Repositincluding agriculture Brawijava Repository Universitas Brawijaya Repository University a consideration that farmer empowerment is one of very important Repository Universitas Brawijaya Universitas Brawijaya Repository Reposit factor that influences the success of sustainable agriculture in Malang Regency, Repositor as mandated by National Government through National Regulation Number 16 of Reposi 2006 concerning the grouping of counselor into a certain local governmental Repository Universitas Brawijaya Repository Universitas Brawijaya working unit, this regency also created Food Security and Counseling Repos Reposit Implementer Agency. This agency is a local governmental organization which has Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit main responsibility in empowering farmer community. Iniversitas Brawijaya Repository URefers to the sustainable development theory, agriculture development in Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Malang Regency should integrates social, economic, and environmental aspects Reposition in its development strategy in order to ensure the sustainability of agriculture Reposit sector, itself, Thissis also, explained in Local Regulation of Malang Regency Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya9 Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Number 7 of 2010 on Control of Pollution and Environmental Damage especially Reposit in Article 1 paragraph 14 which defines sustainable development as conscious Repository Universitas Brawijaya Repository Universitas Brawijaya Repositefforts that integrates environmental, social and economic aspects into a Reposit development strategy to ensure the integrity of environment along with the safety, Repository Universitas Brawijaya kepository Universitas Brawijaya Reposit welfare ability and quality of life of the present and future generations. rawii ava Furthermore, take a consideration that sustainable development requires Repository Repository Repositintegration of the three aspects, in practice of development which is conducted by Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Jocal government this requirement automatically gives consequence that there Rer OSI Reposit must be a good relationship and cooperation among all components of Repository Universitas Brawijava Repository Universitas Brawijava governmental structure, especially the components that has a main task related Repo Reposit to certain matter of development, for example is in the matter of agriculture Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi development. This relationship and cooperation is the most important thing in Reposit order to be able to run development and governmental affairs properly. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Putting in mind that agriculture sector development is the responsibility of Reposite 4 departments as a unity that cannot be separated in Malang Regency, namely Repository Reposit Department of Agriculture and Plantation, Department of Animal Husbandry and Repository Universitas Brawija epository Universitas Braw Repositive Health, Department of Forestry, and Department of Marine and Fishery, in Repositaddition that sustainable agriculture development requires the integration and Repository Universitas Brawijaya Repository Universitas Brawijaya consideration of economic, social, and environmental aspect equally, so there are Repo Repository Repositat least one more department and 2 agencies which have responsibility in Repository Universitas Brawijava Repository Universitas Brawijava Reposit promoting, sustainable agriculture in this regency, namely Department of Reposit Irrigation, Environment Agency, and Food Security and Counseling Implementer Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya RepositAgencyniversitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawline with the explanation of Mr. Bambang Widjanarko, Repository Universitas Brawijaya lepository Universitas Brawijaya Reposit a specialized staff of Regional Development Agency of Malang Regency: vijava Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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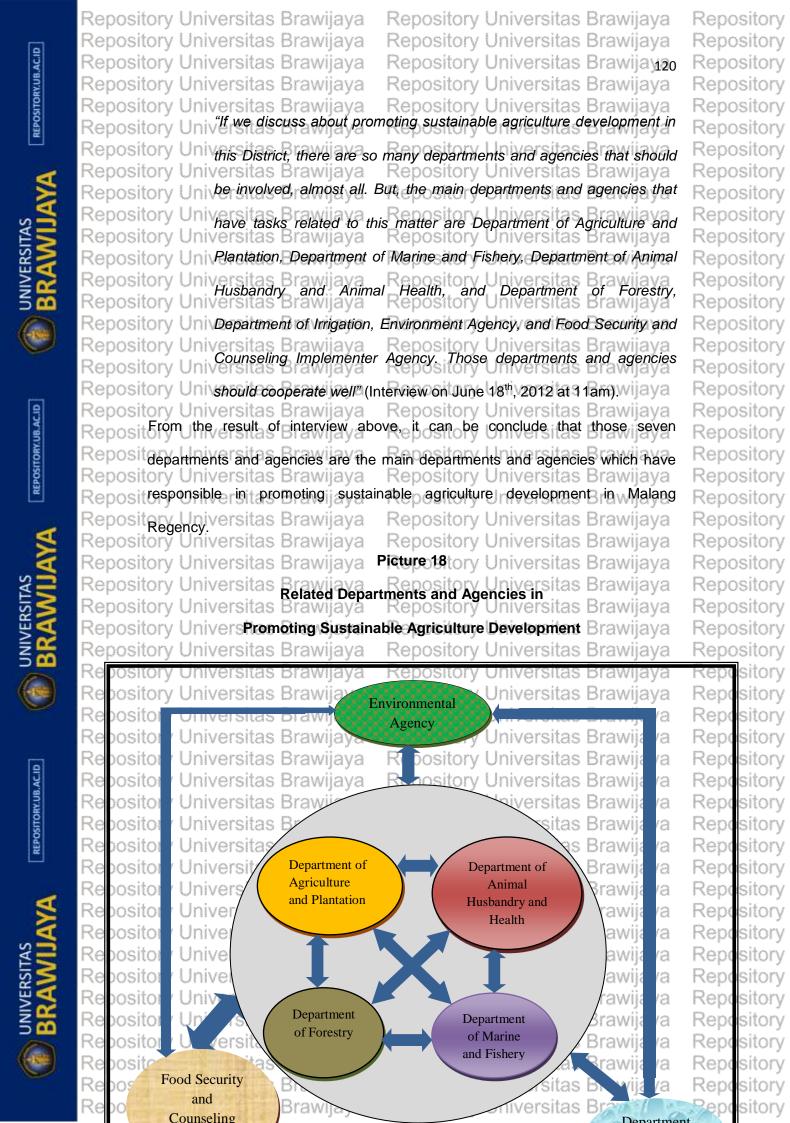
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	Repository From the picture 18 above, it can be seen that for promoting sustainable	Repository
CID	agriculture development in Malang Regency, there are at least 7 local	Repository
VUB.4	Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
ITOR	Reposit governmental working units which consist of 5 departments and 2 agencies that	Repository
REPOSITORY.UB. AC. ID	Repository should integrate and cooperate each other. Those departments and agencies	Repository
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AS IJA		Repository Repository
	Repository However, those departments and agencies do not cooperate well. Those Repository Universitas Brawijaya	Repository
UNIVERSIT	Repost related local governmental working unit concentrate more on their own job only.	Repository
≧ <b>≧</b>	Reposit They formulate their own development program without coordination among all	Repository
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	Repository Universitas Brawijaya and Horticulture Sub-Division, Division of Food Production stated: Repository	Repository
	Repository Univ Policy for developing sustainable agriculture is a top down policy	Repository
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	Repository Univ comes from national government. So, most of the programs comes	Repository
	Repository University and a government from previous years up to present. We just	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijay29 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni program and also provide infrastructures. After the implementation of Repository University program formally, farmers it can continues this program y by Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universelves without any assistance from the government at is also Repository Universitation that Department of Agriculture and Plantation has never used Repository Universitas Brawijaya epository Universitas Brawijaya Repository Univary predator to eradicate pests. This department uses poison, sulfur Repository Universitas Brawiava Repository Universitas of by driving farmers in a gang to hunt down and kill these pests. Repository Universitathe implementation of this program does not suitable with the principle which requires reduce of chemical Repository Universitas Brawijaya Repository Universitable agriculture Repository Universitiasage and consider the stuture generation's slife. By Jusing Repository Universitas Brawijava Repository Universitas Brawijava Repository Uni chemical input and hunting the pest, it will destroy the ecosystem, Repository Universes natural degradation which can danger the next generation's Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univide, and also the impact of this implementation is only for really short Repository Universitas Brawleya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UniversitaThe implementation of this program also does not lead to Repository Universitas Brawijava farmer empowerment because the farmers are not taught about the Repository Universitas Brawijava Repository Univpropera implementation of integrated pest management. The local responsible department only gathers the Repository Universitas Brawija Repository Universitas Brawigh the Repository Univfarmers to hunt the pest. There is no transfer of knowledge activity in Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universital Brawijaya Repository Universitas Brawijaya Repository UniverProgram of Increasing Agriculture/Plantation Production rawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository UniversitaThis program aims to increase agricultural production by Repository Universiding infrastructure for increasing agricultural production, especially Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni 35 units of tractors as grant for farmer groups that has been selected Repository University Bravely Agriculture and Plantation of Malang Regency. This Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univegency also provides subsidized fertilizer and allocates it to several Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universit buy the agricultural products directly from the farmers and Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universit employee will participate in this exhibition, not the farmers Repository Universitas Brawijava (Interview on July 27<sup>th</sup>, 2012 at 1 pm). Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universit From the interview above, it can be known that the exhibition is Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Uni-Malang Regency This department buys some kinds of excellent Repository Universitas Brawijaya both directly from the farmers and from Repository Universitas Brawijaya Repository Universitas Brawlaya Repository Univagribusiness center to be exhibited at the exhibition it as Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository UniversitaThe implementation of this program does not suitable to the Repository Universities of Sustainable agriculture development as a long term Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni development objective which integrates economic, social, and natural Repository University. This is also seems to tend to green revolution practice which Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univolve focuses on a increasing economic Jaspect it in additiona the Repository Universitas Brawijaya program also does not lead to farmer Repository Universitas Brawijaya Repository Univerpowerment because there is no increasing knowledge activity for Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Universition Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University of Increasing Food Security Universitas Brawijava Repository Universit Malang Regency has a big potential in food availability because Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni this regency has so many agricultural products with fertile land. Thus, Repository Unifood security still become one of the main the focus in this regency Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni considering that the increase of population growth climate change, and Repository Universitian disease infection that can reduce the amount of agricultural Repository Universitian disease infection that can reduce the amount of agricultural Repository Univproducts. Related to aincreasing food security in Malang Regency, Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Univite local government increases farmer's knowledge and skill by giving Repository University which will be able to influence their economic aspect to be Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univetteltas Brawijaya Repository Universitas Brawijaya Repository Universitas Bravia Repositor Repository Universitas Brawijaya Universitas Brawijaya Kepository Repository UniversitaThis riswa aprograme for sconstructing eirrigation B network / in Repository Universitas Repository Universitas Repository University agricultural area in order to maximize water management in agricultural Repository Univarea. In this construction process, Departments of Agriculture and Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas in collaboration with certain developer build the irrigation Repository Univnetwork for the farmer groups in certain agricultural area that have Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universit Moreover, this program also can preserve the nature because Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni by providing sufficient water for the land, it will be able to maintain soil Repository University and fertility. So this program concerns not only in economic Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univaspect but also in natural aspect. This is in line with the principle of Repository Universitas Brawijava sustainable agriculture Repository Universitas Brawijava development which not only focuses on Repository UnivincreasingBeconomy as required by green revolution movement. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni the farmers do not do anything. They just receive the new irrigation Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitation in their agricultural landtory Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universit Program of Agricultural Road Development is an agricultural Repository Univoid construction program in production center of crops, horticulture, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni plantation, and animal husbandry. This is a national program which is Repository University handled by Directorate General of Agricultural Infrastructure of Ministry Repository Universitas Brawijaya epository niversitas Brawija Repository UnivorrAgriculture of Indonesia and implemented by tevery cities and Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijayas Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas This program is a program for constructing of maintaining Repository University and from agricultural area to the place for storing, processing Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univerand marketing of agricultural products. This program aims to ease Repository Universitas from agricultural area to the place for storing, processing Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universide marketing of agricultural products for the farmers in bringing the Repository Universitas Brawijava harvest, Department of Agriculture and Plantation gives grant to Repository Universitas Brawijava Repository Universelected farmer group in the form of production road construction/a Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Viewed from the implementation of this program, this program Repository Univeally focuses on economic aspect and do not concern on social and Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universionmental aspects. This program also does not lead to farmer Repository Univerpowerment because there is no human development activity in this Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni program. The local government only develops the road and the farmers Repository Universitian maintain the road. This condition have a big potential in Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univincreasing the dependency of the farmers to the local government Repository Universities they only make a proposal and the local government gives Repository Unithemigrant in the form or road development niversitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitathis program aims to provide a place for processing compost Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitizer for farmers who are involved in farmer groups. This program is Repository Univa grant program and given to farmer groups which have received grant Repository Universitas Brawijaya Repository Universitas Brawijava Repository Univin the form of compost making machine. Department of Agriculture and Repository Universition has built 22 units of home composting which are used by 22 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univfarmer groups in 19 sub-districts of Malang Regency tas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Uni should make a proposal to Department of Agriculture and Plantation, Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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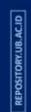
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	Repository	development programs during 2011. From those 11 program	Brawijaya	Repository
	Repository	programs that lead to sustainable agriculture while the re-	st of it is non-	Repository
	Repository	sustainable agriculture development program, and from those	Brawijaya	Repository
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V.UB.7		also can be known that there are 5 programs that I		Repository
ITOR		Universitas Brawijaya Repository Universitas	Brawijaya	Repository
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	Repository	program include into two categories. In order to get easier		Repository
4	Repository	Universitas Brawijaya Repository Universitas	Brawijaya	Repository
		the table below gives clear description sitory Universitas		Repository
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5 🧰	Repository	Source: Analysis of the Writer	Panasitory
	Repository	Note: S-E=Sustainable and Empowerment, S-UE=Sustainable and Un-Empowerme	ent, lory
Ç	Repository	NS-E=Non-sustainable and Empowerment, NS-UE=Non-sustainable and Un-empo	tota alta ar
	Repository		tory
		UniverFrom the table above can be seen that Department of Agriculture	Repository
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REPOSITORY.UB.AC.ID	-	and Plantation of Malang Regency has agriculture development programs	Repository
SITOR		that can be classified into 4 groups namely sustainable-empowerment	Repository
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A	Repository	empowerment program, and non-sustainable-un-empowerment program.	Repository
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s <mark>4</mark>	1 2	From the table above is also can be known that this department has	Repository
5	Repository	conducted only 1 sustainable agriculture development program that lead to	Repository Repository
UNIVERSITA BRAWI		farmer empowerment and 2Rnon-sustainable agriculture development	Repository
≩፼	1 1		Repository
500	Repository	program that lead to farmer empowerment. While the 8 other programs are	Repository
-199		not sustainable agriculture development programs but 4 of those program	Repository
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	Repository	do not lead to farmer empowerment. The table above shows that this	Repository
	, , , , , , , , , , , , , , , , , , , ,	department does not make sustainable agriculture as a main concern.	Repository
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RY.UB	Repository	However, this department has given pay attention toward farmer	Repository
REPOSITORY.UB.AC.ID	Repository	empowerment although it is still a little. Universitas Brawijaya	Repository
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		Universitas Brawijaya Repository Universitas Brawijaya	Repository
-	Repository	Universitas Brawijava 5.3.2. Department of Forestry Repository Universitas Brawijava	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository UniverDepartment of Forestry as a part of departments and agencies Repository which have main responsibility in developing agriculture sector has Repository Universitas Brawijaya Repository Universitas Brawijava Repository conducted many programs during 2011 in order to develop forestry in Repository Malang Regency as a part of agriculture sector. However, not all of those Repository U Iniversitas Brawijaya Universitas Brawijaya Repository Repository programs dead to vsustainable agriculture Land farmers empowerment Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository framework of this regency. This can be seen in the explanation below ya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya of Development of Examination and Distribution of Forest Repository Univer<del>pit<u>a</u>acts</del>rawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository UniversitaThis programa aimse to sprotect forest product, especially Repository Unicommunity forest product so that the society who has forest area get Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni protection from the government to possess, manage, carry away, and Repository Universitate their own forest products. This program also aims to prevent Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University Bravineser to the society in term of giving, managing, and Forestry gives service to the society in term of giving, managing, and Repository Uni forest thefts and illegal logging. Related to this program, Department of Repository Univissuing Letter of People Log Wood and also distributes the certificate of Repository Universitas Brawijava Repository Universitas Bravijava Repository Universitas Bravijava Repository Universitas Bravijava Repository Universitas Brawijava Repository Universit Basically this program only implemented by providing the letter Repository Universitas Brawijava Repository Universitas Brawijaya Repository Unithat certifies the trees which have been cut and will be sold or moved Repository Universities of the regency are originally belong to the farmers itself. This is like Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni provide a facility for smoothing the tree sale. There is no concern on Repository University preservation or social aspect in this matter, but maybe it will Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univgive a good impact on economic aspect of the farmers. In addition, it Repository Universitas Brawley a not farmer empowerment program because this Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya2 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas During the year of 2011, the government of Malang Regency Repository Univerthrough department of Forestry creates 2 units of Village Nurseries Repository Universitas Brawijaya Repository Universitas Brawijaya Sukodono Village and Duwetkrajan Village. Repository Universita villages, manely Repository Universitas Brave Units of Village Nurseries, 75.000 stems of forestry Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universeeds are obtained. This activity is funded by using Regional Repository Universitas Brawieva Revenue and Expenditure Budget (RREB) of Malang Regency Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Basically this activity is same as Village Nursery, but the Repository Universidget that is used in this activity come from provincial government Repository Universitas Brawijava Repository Universitas Brawijava Repository Universide and managed by Central Management Office of Brantas River Repository Univerwatercourse, while Department of Forestry as official technical Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univerimplementer. This activity is held in 50 villages of 33 sub-districts in Repository Universitiang Regency and obtains various kinds of fruits and forestry BRAWIJAYA Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universeeds which are distributed to the villages around those nurseries Repository Universitas Brawijava, Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universit Refers to the implementation of this program, it can be said that Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya repository Universitas Brawijaya Repository Uni that the balance and sustainability of the nature can be maintained. In Repository Universitas Brawijaya Repository Universitas Brawijaya addition, someday the farmers can get economic income from these Repository Un Repository University seedlings if these seeds have grown up and ready to be cut Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni and sold. So this program concern on preserving the nature while Repository Universe also on economic aspect of the farmers. This has in line with Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni sustainable agriculture development. Unfortunately, this program does Repository University of the farmers so the farmers do not get knowledge from the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univimplementation of this program pository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universita This department also gives grant in the form of artificial Repository Univinsemination equipment, operational container. This department also Repository Universitas Brawijaya Repository Universitas Brawijava Repository Univconducts genetic guality testing for dairy cattle from calf production Repository University ended from its milk production. While, in order to Repository Universitas Brawijaya kepository Universitas Brawijaya Repository Universet subreeding, this department also mapping frozen semen Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UniversitaDepartment of Animal Husbandry and Animal Health also Repository Universitas Brawijaya Repository Universitas Brawijava develops rural breeding centers in order to help the preparation of Repository Uni Repository Univergeterm needs of calves in Malang Regency. The goal of this activity Repository Universitas Brawijava Repository Universitas Brawijava Repository Uni is to increase livestock genetic quality at livestock center village Repository University Slivestock farming development, reproduction management Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univfood technology, infrastructure additions and recording groups wilava Repository Universit Refer to its implementation, this program concerns on economic Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univaspect as a priority. While as we know that the focus of sustainable Repository Universitate development not only economic aspect, but also natural Repository Universitate development not only economic aspect, but also natural Repository Univand social aspects. This program also has a big potential in increasing Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Univocal government gives grant to the breeder. This is not empowerment Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni program, because empowerment program is a program to increase the Repository Universedency by increasing the ability through transfer of knowledge Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univactivities, so they can access their needs by themselves. Brawijaya Repository Univer<u>Program of Animal Feed and Technology Development</u> Prawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universit According to Departments of Animal Husbandry and Animal Repository University food is a determining factor of the biggest success in animal Repository University and the second Repository Uni husbandry business which is around 70%. In accordance with that Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univaspects, In addition, this program also does not lead to farmer Repository Universement because there is no new knowledge that can improve Repository Universitas Brawijava Repository Universitas Brawijaya Repository Uni the farmer quality transferred to the farmers, although there is a Repository University activity but this kind of counseling only explain about the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univrule of livestock rising system. Furthermore, through this program, the gives financial assistance as a grant to the Repository Universitas Brawijava Repository Universitas Brawijava Repository Universe whereas this grant can increase the farmer's dependency Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Bawinaya Repository Universitas Brawijaya Repository Univer<u>Program of Animal Husbandry Business Development</u> Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitation Brawgrawa is more directed to develop milk cattle Repository Uniccooperative and business, from milk cattle farming until milk marketing. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni However in 2011, population of milk cattle was decreasing because Repository Universitives are bankrupt. Department of Animal Husbandry and Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni Animal Health also develops partnership pattern between chicken Repository Universitas Brawijava and government in the term of farming and Repository Universitas Brawijava Repository Univproduct marketing. This program is based on the decree of Ministry of Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitathis repartment also develops various kind of animal Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University business such as rabbit, pork, swallow, bustard, and sriti by Repository Univgiving animal husbandry business management license to guarantee Repository Universitas Brawijaya Repository Universitas Brawijava Repository Uni the certainty of animal husbandry business and monitoring animal Repository Universidated business environment in order to protect and preserve Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univanimal husbandry business environment which is estimated can cause Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijays7 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UniversitaThis department also helps the breeder and animal husbandry Repository Universities man to get credit by making partnership with certain bank for Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni cow farming business (with the name credit program is a cow farming Repository Universities credit) and breeder group (with the name credit program is Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni Food and Energy Security Credit) in order to be able to develop their Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Universit from the bank with the recommendation of Department of Animal Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univperiod with 5% interest per year. While the credit for breeder group can Repository Universitas Brawijava Repository Universitas Brawijava Repository Uni be accessed from the bank with the interest 14,255% per year and the Repository Univgovernment gives subsidy 8,15% for paying the interest, so the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni breeder group only need to pay interest 5% per year tas Brawijava Repository Universit Broadly speaking, it can be said that this program focuses on Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univeconomic aspect by creating marketing network between the breeder Repository University and local government, so the local government will help the breeder for Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univmarketing their product, and also focuses on natural preservation by Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University and animal husbandry business environment to prevent Repository Univollution and giving license for animal husbandry business which can Repository Universitas Brawijaya Repository Universitas Brawijava Repository University their business while prevent the pollution caused by their Repository Univolusiness. This license will be able to make their production marketing Repository Universitas Brawijaya Repository Universitas Brawijava Repository Univrun more smoothly. This program has been in line with sustainable Repository Univagriculture principle which not only concern in economic aspect but Repository Universitas Brawijaya program gives subsidy to the breeder for Repository Univeducing the bank interest when the breeders borrow some/money Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University month to this department and then this department publish it in Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universit According to its explanation, this program only a program to Repository University animal husbandry marketing data in order to be easy to sell the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univanimal husbandry product, so this program focuses on economic Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Univgovernment gives training to the breeder to increase the value of Repository Universitas Brawijaya Repository Universitas Brawijava Repository University product by processing animal husbandry product to Repository Universities and more interesting to be consumed ersitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitation program aims to maintain the food security especially from Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univanimal husbandry products. Department of Animal Husbandry and Repository University Health conducts data collection and evaluation about the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univavailability of food made From livestock product in order to make Repository Universitas Bravia of livestock products. This distribution system is Repository Universitas Bravia of livestock products. This distribution system is Repository Univerpected to be able to increases the availability of food made from increase the ability and knowledge of the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unicommunity in diversifying and developing food made from livestock Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uniproduct. This department also monitors the safety and quality of animal Repository Universidedry Broducts/ By investigating the animal husbandry product Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universiting centerijava Repository Universitas Brawijaya Repository Universitas Breviewing the explanation concerning this program, this Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uni program is only conducted by the employee of Department of Animal Health in cooling and evaluating the data Repository Universitas Brawijava Husbandry and Animal Repository Universitas Brawijaya Repository Uniconcerning the availability of animal husbandry product. It can be said Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Unutilizations activities This group is a community self-supporting Repository Unorganization (non-governmental organization) that helps governmental Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unapparatus in monitoring all marine and fishery resources utilization Repository Un Repository Universitas Fraulty implementation of this program, the society are Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unexpected sto understand and aware the importance of maintaining Repository Universitas B niversitas Brawijaya Repository Universitas Bravijaya resources and environmental sustainability ersitas Brawijava Repository Universities program fulfills the requirement of sustainable agriculture the nature because it aims to protect the Repository Universitas Brawijaya development to preserve Repository Un Repository Unervironment respectally marine and fishery resources from over Repository Universitas Brawijava Repository Universitas Brawijava Repository Unexploitation as the practice of green revolution which only focuses on Repository Unincreasing economic aspect. However, this is not empowerment Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unprogramasbecause athe local government only create supervisor Repository Uncommunity group without giving any training which can increase their Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unknowledge Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya Jniversitas Brawijaya Repository Repository Universities program aims to increase the production of fish farming in this epository Universitas Brawijaya Repository Universitas Brawija regency. In general, the amount of production of fish farming increase Repository Repository Uncompared with the production in 2010, but the production in some sub-Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Undistricts decrease, especially farmed fish production in reservoirs that Repository Uncaused by the decrease of reservoirs water quality biologically that is Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unindicated caused by the reduction of plankton at downstream reservoirs, Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University the implementation of this program, first, Department of Marine Repository University conducts data collection regarding Marine and fishery Repository University conducts data collection regarding Marine and fishery Repository Unpotential including fish production, number of fisherman, number of Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Unhandling facilities on board, and also installation of Fish Aggregating Repository UnDevice (FAD). This department also builds fish auctions in coastal areas. Repository Universitas Brawijava Repository Universitas Brawijaya Repository Univer Actually this program is similar to the program of aquaculture Repository Universitas Branch focuses on increasing economic income of the Repository Universitas Brawijaya Repository Repository Unfarmers. The difference is this program conducted by giving capital Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Untoward local government. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Une. Program of Resources and Environmental Control Brawijava Repository Universities program arms to manage the fishery utilization and also Repository Universitas Brawijava Repository Universitas Brawijava Repository Unocean and marine resources including mangrove forest and coral reefs. Repository UnMalang Regency has 344 hectares of mangrove forest which 56,5% of Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unthis is in damage condition. In 2011, Department of Marine and Fishery Repository Unrehabilitates 2,7 hectare of mangrove forest in Tambakrejo Village. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UniversAnother marine/resource is coral reefs. Coral reefs in some Repository Universitas Brawijava locations in this regency Repository Universitas Brawijava are in damage condition. Therefore, this Repository Undepartment conducts artificial coral reef planting at the site of coral reef Repository Universitas Brawijava Repository Universitas Bravijava Repository Universitas Bravijava Repository Universitas Brawijava Repository Universitiation withis program focuses on natural preservation by Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unrehabilitating the damage mangrove forest where the mangrove forest Repository Undamage can danger the next generation to fulfill their needs because the Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unmangrove forest damage can bother the natural balance. This program Repository Unhas answered the sustainable agriculture principle to preserve the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unnature, However, this program does not involve the farmers and only Repository Unconducted by Department of Marine and Fisheries, so it can be said that Repository Universitas Brawijaya epository niversitas Brawijaya Repository Unthis program is not farmer empowerment programers it as Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Unfv Program of Optimization of the Management and Marketing of Repository Universitas Production ya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universities Program aims to optimize management and marketing of Repository Unifishery production through conducting 4 activities namely: Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univer1) Optimization of Marketing of Fishery Products it as Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Univermarket and expansion of marketing networkets its implementation, Repository Universitas Brawijava Repository Universitas Brawijaya Repository Univer Department of Marine and Fishery also gives capital assistance as Repository Universisted by Mr. Hadarsono, Head of Division of Aquaculture: awijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas "For this activity, this department gives assistance in the Repository Universitas form of marketing support equipment such as lowry, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas motorcycle, table and receptacles, "(Interview, September Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas From the interview can be seen that Department of Marine Repository Universitas Brawijava capital assistance in the form of marketing Repository Universitas Brawijava Repository Universupport equipment such as lowry, motorcycle, and receptacles. This Repository Universitas Brawijava Repository Universitas Brawijava department also provide table for displaying the fish products. Repository Univer2) Management Information of Market Demand for Fishery Products Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas In this activity, Department of Marine and Fishery only Repository Univerconducts coordination and field monitoring toward the availability of Repository Universitas Brawijaya Repository Universitas Brawijava Repository Univerfoods made of fish. This department also should determine the level Repository Universition of society's fish consumption by comparing the availability of fish Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univerproduct and the number of society in Malang Regency. Brawijava Repository Universitas Brawing A Repository Universitas Brawing 3) Optimization of Fishery Processing and Quality Improvement Repository Universitas Brawijaya epository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas This activity is directed to increase the quality and safety of Repository Universishery products, both for fresh fish and processed fish, and also to Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univerdiversify processed fish products in order to add the value of fishery Repository Universitas Bravel implementation, Department of Marine and Fishery Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univergives capital assistance in the form of fish processing facilities as Repository Universitas Brawijava stated by Mr.Hadarsono, Head of Division of Aquaculture: Repository Universitas Brawijava Repository Universitas 'This vdepartment gives fish processing afacilities to the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas fish can be processed become salted fish, dried fish, Repository Universitas Brawijaya Repository Universitas Brawijava shredded fish, fermented fish pasta, stick, and chips. This Repository Universitas Repository Universitas regency doesn't have fish y canning industry" (Interview, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas September 26th, 2012) sitory Universitas Brawijaya Repository University of the interview is also can be see that Malang Regency doesn't Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya 4) Optimization of Capital and Investment Development Repository Universitas Brawijaya Universitas Brawijaya Repository Repository Universitas This activity is directed to fishery business development Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univernmenting their capital for fishery business in Malang Regency. Repository Universitas Brawijava Repository Universitas Brawijaya Repository UniverSepartment of Marine and Fishery doesn't give any financial capital Repository Universistated by Mr.Hadarsono, Head of Division of Aquaculture. IJaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas "We don't provide financial assistance. We only provide Repository Universitas information related to financial agency and procedure to get Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas loan in general" (Interview, September 26th, 2012) awijava Repository University Reviewing the explanation above, it can be seen that this program Repository Universitas Brawijaya (epository Universitas Brawijaya Repository Unis not sustainable agriculture development program which leads to Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya6 Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository big enough concern on farmer empowerment, especially farmer in coastal Repository Universitas Brawijaya Repository Universitys brend Agency Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unive Environment Agency as the agency that has main responsibility in Repository protecting the nature and environment has conducted many programs to Repository preserve the nature that support the implementation of sustainable Repository Universitas Brawijaya Repository Universitas Brawijay agriculture development in Malang Regency. Further information can be Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Una Program of Pollution and Environmental Destruction Control wijava Repository Universithis program aims to increase environmental quality in order to Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unprevent environmental destruction and or pollution in land, freshwater, Repository University and air so that the society's right to get clean and healthy Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unenvironmental quality can be fulfilled. In the implementation of this Repository Universitas Brawijava program, Environment Repository Universitas Brawijava Agency issues and implement regulations, Repository Untechnical solidance and standard quality related to environmental Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitian and pollution control. epository Universitas Brawijaya Repository Universithe Environment Agency monitors the quality of groundwater, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unand surface water including in the agricultural area, marine water and Repository Uncoastal region. This agency also supervises wastel management and Repository Universitas Brawijaya Repository Universitas Brawijava Repository Ungives socialization about the danger of air pollution caused by smoking. Repository Unin the implementation of this program, Environment Agency also plants Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Un 390 shade trees at markets, schools, arterial road sides and around Repository Universitas Brawiaya other public facilities. Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uncoastal area and other area outside the forest. Environment Agency Repository Unconducted this program without any involvement of farmers, so it can be Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unsaid that this program does not lead to farmer empowerment rawijava Repository Universitas Capacity of Natural Resources Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava epository Universitas Brawi Repository Unenvironmental a function through the implementation of good Repository Universitas Brawijaya based on principles of transparency Repository Universitas Brawijaya Repository Universitas Brawijaya R based on transparency, Repository Un Repository Unparticipation Band accountability. In tits implementation, Environment Repository Universitas Brawijava Repository Universitas Brawijava Repository UnAgency increases the capacity of environmental education both formal Repository Unand sinformal for society Rincluding farmer community, and also Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unconducting legal settlement of the case of natural resources and Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Uncommunity education through developing human resources capacity of Repository University Bravia and Supervisor in order to increase the knowledge of self-Repository Unsupport environmental supervisor ository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Unthat leads to farmer empowerment because this program aims to Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unpreserve the nature by implementing good environmental government, Repository Unand also by giving formal and informal education to self-support Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unenvironmental supervisor who come from the society including the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Und. Program of Protection and Conservation of Natural Resources java Repository University, Brawn aims to protect natural resources from the damage, Repository Universitas Brawijaya Universitas Brawija epository Repository Unalsormanagerateijarea around natural resources to guarantee its Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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				ent by planting 1.9	60 trees arour	nd three springs
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		Universitas		Repository		1000
	Repository	Unempowerr	ient program b	ecause there is	no farmer inv	olvement in the
	Repository	Universitas	ation of this nro	grampository	Universitas	s Brawijava
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	Repository	UniverThose	programs that	have been condu	ucted by Envir	onment Agency
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2	Popository	above can l	be classified	into sustainable,	non-sustaina	able agriculture
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				erment and un-e		
	Repository	table below r	provides the cl	ear grouping of t	hose program	s, so it can be
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REPOSITORY UB. AC. ID	Repository	Source: Analysis of the Writer Note: S-E=Sustainable and Empowerment,	S-UE=Sustainable and Un-	100
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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository this agency only has a little concern on society empowerment, especially Repository for the farmer community.a Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas As one of department which has responsibility and the big influence Repository Universitas Brawijaya Repository Universitas Brawijaya Repository in promoting sustainable agriculture development in Malang Regency, Department of Irrigation carried out several development programs and Universit Repository Repository Repository lactivities during the period year of 2011. As the other department, not all of Repository Universitas Brawijaya Repository Universitas Brawijava implementation of sustainable agriculture Repository Universitas Repository development and leads to farmer empowerment. Those programs and Repository Universitas Brawijava Repository Universitas Brawijaya activities can be seen in the explanation below. Iniversitas Brawijaya Repository Repository Una. Program of Development and Management of Irrigation Network, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitation program aims to provide adequate and equitable water for Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unthersustainable whoman life and talso to preserves the irrigation Repository Universitas Brawijava Infrastructure that has been built. In order to achieve those aims, the Repository Universitas Brawijaya Repository UnDepartmentBofa Irrigation carried out maintenance and rehabilitation Repository Universitas Brawijava Repository Universitas Brawija Repository Unactivities for irrigation networks, and also builds new irrigation networks Repository Unin certain area including in the agricultural area that has been planned in Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unthe previous year. However, there are several factors that become Repository Uninhibiting factors such as minimum budget, lack of coordination among Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unconstruction implementer, consultant and supervisor, and also bad Repository Uncondition of road that cause difficulties in sending the materials to the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unconstruction location va Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya ive a positive impact on agricultural sector Repository Unboth in the term of natural and economic aspect because through the Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unimplementation of this program, the soil quality of agricultural land can Repository Unbernaintained. Furthermore the good quality of soil will result in good Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unagricultural product that can increase farmer's income. However, this Repository Un Repository Universitas Brawijaya Repository Universitas Brawijaya conducted by Department of Irrigation in Repository Uncollaboration with construction expert without involving the farmers, so Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unb. Program of Development, Management, and Conservation of Rivers Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universithis Programy aims Ropprovide water resources information Repository Universitas Brawijava Repository Universitas Brawijava Repository Un system through the availability of the very latest data, and also to create Repository Unan effective and efficient water allocation system so it can increases the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unproductivity of water resources utilization including its utilization in the Repository Unagricultural area. In order to achieve those aims, Department of Irrigation Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unmakes collaboration with a consultant agency niversitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Unimplementer actors that consist of the staff of Department of Irrigation toward design pictures and technica Repository Universitas Brawijaya Repository Universitas Brawijaya ant agency technical Repository Unspecification, the limited data availability and budget make this program Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uncernst be implemented maximally ository Universitas Brawijaya Repository Universi Basically, this is a data collection process activity to make water Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unallocation system and mapping. In addition this program conducted in Repository Uncollaboration with a consultant agency without involving the farmers. So Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unit canitbe said that this is not sustainable agriculture development empowerment. Universitas Brawijaya Repository Universitas Brawijava program that lead to farmer Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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ERS	Repository	Note: S=Sustainable, NS=Non-	sustainable, E=E	mpowerment, UE	Brawijaya	Repository
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REPOSITORY.UB.AC.ID	Repository	leads to farmer empowerm	ent. The table	below provide	es <sup>B</sup> the∨clearer	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijay Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UniversitaThis program aims to increase farmer's welfare, especially in Repository Unthe term of increasing income. In this program, Food Security and Repository Universitas Brawijaya Repository Universitas Brawijava Repository UnCounseling Implementer Agency provide counseling and mentoring Repository Universitias the farmers and agribusiness entrepreneurs once a week. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Un This activity is held once in a week for every farmer groups. In this Repository Universitas Brawilaya Repository Universitas Brawilaya Repository Universitas Brawilaya Repository UnAgency shares knowledge on proper farming technique, and also deliver Repository Universitas Brawijay Repository Universitas Brawijava Repository Unsome assistance/grant from the government such as fertilizer and seeds. Repository UniversitaBut Fin Vits apractice, the Smatch time between farmers and Repository Universitas Brawijava Repository Universitas Brawijava Repository Uncounselor become inhibitor, as stated by Mr. Sukobagyo, secretary of Repository UnFood Security and Counseling Implementer Agency Sitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universita"The time between farmer and counselor doesn't match. In the Repository Universitation morning until evening, the farmers work in farm field. While the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universit counselor has office ours to give counseling in the morning until Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universit counselor difficult Rtop transfer Uknowledge's (Interview yon Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repository Universit From the interview above can be known that the time between Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uncounselor and farmers which is not match, where the farmers have free Repository Untime to join in the counseling activity at night, while the counselors have Repository Universitas Brawijaya Repository Universitas Brawijava Repository Unoffice our in the morning. In addition, low educational level of the farmer Repository Unalso makes transfer of knowledge activity need long time to be success. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UniversitaThis program actually focuses on economic aspect because the Repository Universital program is increasing farmer's income by giving counseling Repository Universital program is increasing farmer's income by giving counseling Repository Unand mentoring activity to the farmers, so they have new knowledge in Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaygo Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository development that concern on farmer empowerment although this agency Repository has main responsibility in empowering the farmers. Brawijaya Repository Universitas Brawijaya Repository U From the explanation concerning the programs that have been conducted Repository all related local governmental working unit can be seen that some of the Reposit development programs only prioritized economic improvement and ignored Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya osit Reposit capital improvement by increasing human resources quality to be able to more Repository Universitas Brawijaya Repository Universitas Brawijava independent. Furthermore, many programs that are conducted by all related Repos Reposit departments and agencies have potential in increasing the dependency of the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi farmers to the government. It is because the local government more often gives Reposit capital assistance totally as a grant than empower the farmers by giving training Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor new knowledge that is more important to increase the human resource quality of the farmer to be more independent. In addition, the chemical usage is also still Reposit Rep ository Reposit found in the implementation of those programs, especially in the utilization of Repository Universitas Brawijava fertilizer (see picture 17) and pest trap method. While prioritized economic Repositimprovement only is the goal of green revolution which has been proven give Repository Universitas Brawijaya Repository Universitas Brawijava negative social and natural impacts. In some case, the program is supporting the Repo Reposit implementation of sustainable agriculture development, but the practice of this Repository Universitas Brawijava Repository Universitas Brawijava Reposit program is the same as the implementation of green revolution. It can be seen in Reposit the table 22 below which explained about all agriculture development programs Repository Universitas Brawijaya Repository Universitas Brawijaya Reposithat have been created and implemented by all related local governmental Repository University Brawyaya working units of this regency. Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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	Reposit agriculture in this regency can be grouped into two kinds of group based on the
	amount of sustainable agriculture development program that have been
	Reposit conducted compared with the their total agriculture development program. It can
	Repositor, be seen that Department of Agriculture and Plantation, Department of Irrigation,
	Reposit Department of Marine and Fishery, Department of Animal Husbandry and Animal
	Repository Universitas Brawijaya Reposit Health and also Food Security and Counseling Implementer Agency are in the
	Reposit group of non-sustainable. It means that those department and agency only
	Repository Universitas Brawijaya Repository Universitas Brawijaya
	Reposit conducted few sustainable agriculture development programs than non-
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	Repository U Based on the principle of empowerment which emphasizing on human
	Reposit development by acquiring and increasing knowledge and skill in order to be able
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	Reposit to be more independence, can participate in development activities and free form
	the dependence trap, especially the dependency toward local government, those
	Repositagriculture development programs that created and implemented by Local
	Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Covernment of Malang Regency can grouped into two kinds namely
	1000 by by b b b b b b b b b b b b b b b
	Repositempowerment and un-empowerment programs.)The table 23 below provides Repository Universitas Brawijaya Repository Universitas Brawijaya
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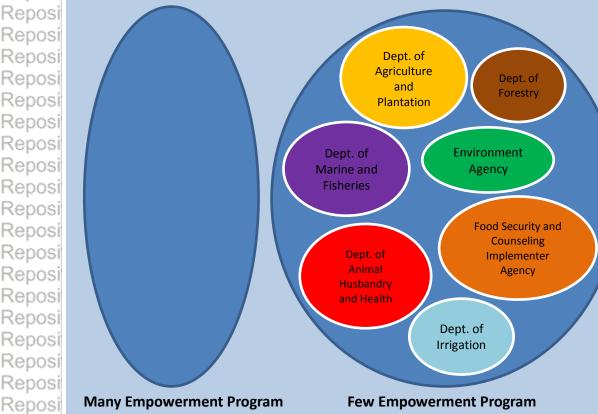


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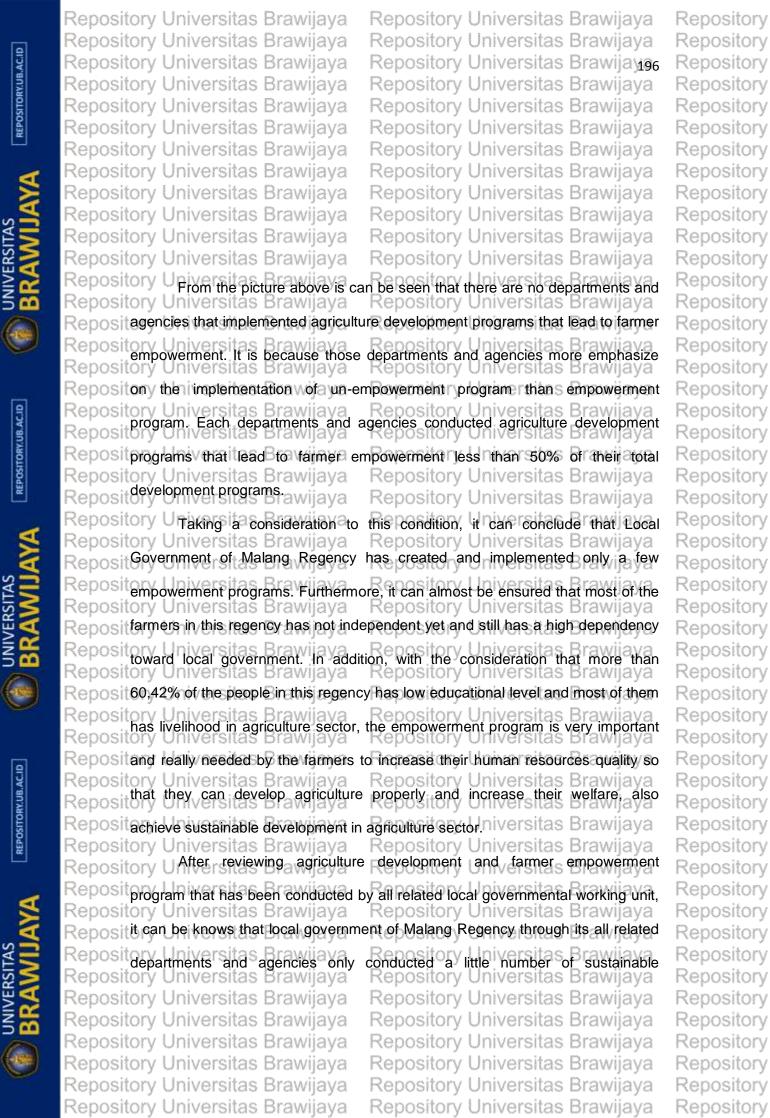


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Reposit agriculture in this regency. This matter can be seen in the table to		Repository
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	Reposit departments and agencies, it is only 13,20% of the total agriculture development	Repository
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	Reposit programs that conducted by all related departments and agencies. Furthermore, Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
5	Repositit can be concluded that the implementation of sustainable agriculture	Repository
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2	Repositoes not lead to farmer empowerment epository Universitas Brawijaya	Repository
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	Reposit54 Supporting and Inhibiting Factors pository Universitas Brawijaya	Repository
	Repository U In every development process and activities, there are always factors that	Repository
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	Reposit supports and even inhibit the success of development. In the case of sustainable	Repository
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	Repository Universitas Brawijaya departments and agencies an also the farmers itself. Repository Universitas Brawijaya	Repository
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	Repository Universite of but it depend on them whether they want to use the same Repository Universitas Brawijaya Repository Universitas Brawijaya	Repository
	Repository Universethod as we use or not" (Interview on November 6th, 2012 at	Repository
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	Repository Universities matter also makes clear by Mr. Budianto Hermawan, the	Repository
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	Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universidapt each otheralt inhibits development process in this regency"	Repository
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	Repository Universitian Regency has fertile land, much water with cool climate that	Repository
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	Repository U is suitable for agricultural activity; therefore this regency has good	Repository
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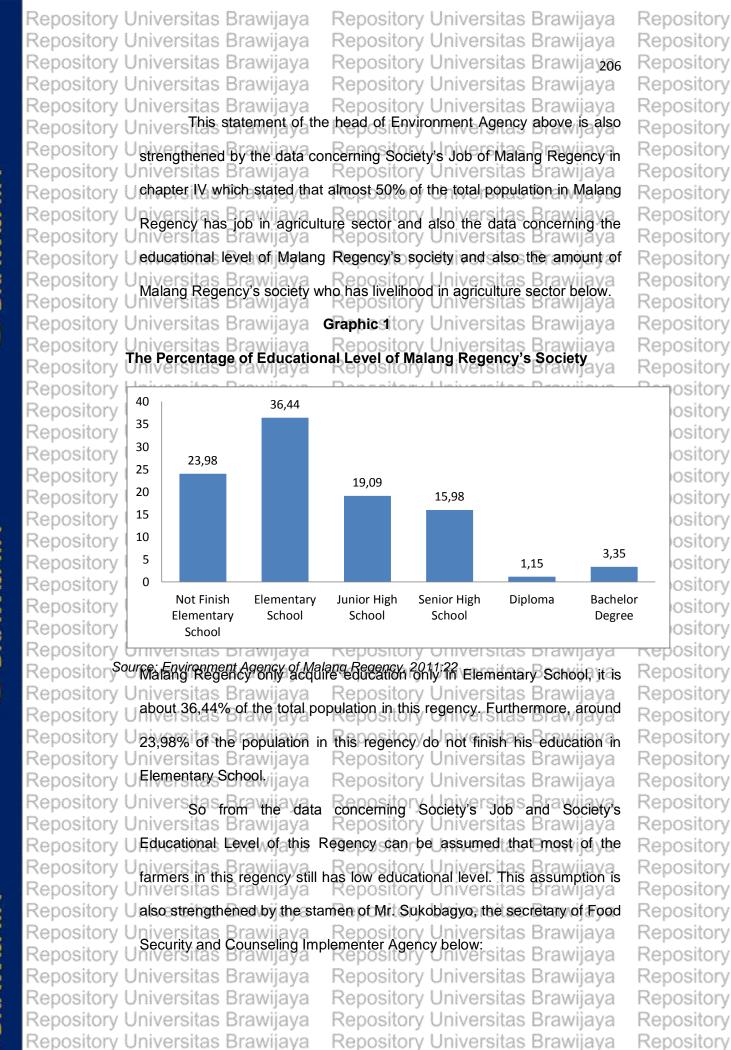
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Repository Universitas Brawijaya Repository Universitas Brawijav208 Repository Universitas Brawijaya Repository Universitive other inhibiting factor is unavailability and inaccuracy of data, Repository Universitas Brawijava Repository Universitas Brawijaya Repository Uas stated by Mr.Imam, the head of Division of Land and Forest Repository Unexamination of the Department of Forestry: Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univers"We don't have any up-to-date data for some kind of specification, Repository Universitate By the total area of community forest, the spread of kind of Repository Universitate as the total area of community forest, the spread of kind of Repository Universforestry trees because those lands is belong to the community, so they have full right to change the utilization. The last update data is Repository Universitas Brawijaya Repository Universi Repository Universithe data of 2003. And for updating the data, we need to survey in Repository Universitas Brawijava Repository Universitas Brawijava Repository Universithe field directly while it will need so much budget and long time Repository Universperiod of work" (Interview on June 30th, 2012 at 08.15 am). VIJaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Along with the opinion above, Mr. Sukobagyo, secretary of Food Security Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Univers"The most important thing is data, but we don't have accurate data. Repository Universitas difficult to be provided. For example is the data about Repository Universitas Brawijaya Repository Universcommodity, market it should be updated every month or week, Repository Universitas Brawijaya even every day. But, it will need so many budgets to provide Repository Universitas Brawijaya Repository Universidated supporting infrastructure while we have very limited Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universified those interviews above, it can be seen that the inaccuracy of Repository Universitas Brawijaya Repository Universitas Brawijava Repository Udata becomes one of inhibiting factor which inhibit the government in Repository Udecide an appropriate policy. The inaccuracy data is caused by the limited Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U budget from the government for every local governmental working unit for Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijay209 Repository Universitas Brawijaya Repository UniversFurthermore, Mr. Muftohul Fauzy, the Head of Sub-Division of Repository U Data Collection and Identification of Department of Irrigation stated that Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uinaccuracy of data is also caused by another factorersitas Brawijaya Repository Universation have found that the data from every department is different Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universiven for the same specification of data. It is because every Repository Universitas Bravias different method in data collection process, for Repository Universexample data about the amount of agriculture area, Department of Repository Universitas Brawijaya Agriculture and Plantation measures it based on land utilization Repository Universitive we measure it based on the number of irrigation area" Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universified this last interview in this section can be seen that the other Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U cause of inaccuracy of data is because every department uses different Repository Umethod in data collection process. It result different data even for the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Usame kind of Specification data epository Universitas Brawijaya Repository University Bravia of inhibiting factors come from the personnel of every Repository University Provide the personnel of every Repository related departments and agencies. It ican be seen from the lack of Repository Universitas Brawija Repository Universitas Brawijava commitment of the personnel of those related local governmental working Repository Repository units vin creating and implementing sustainable agriculture development Repository Universitas Brawijaya Repository Universitas Brawijaya Repository properly even though has been completed by clear legal framework and Repository appropriate working infrastructure. This also can be seen from the lack of Repository Universitas Brawijaya Repository Universitas Brawijava Repository coordination among those department and agencies in creating and Repository implementing the programs. Whereas, coordination among all related Repository Universitas Brawijaya Repository Universitas Brawijaya Repository departments and agencies is very important in the agriculture development, Repository especially for the programs that related to giving training and other transfer of Repository niversitas Brawijaya epository niversitas Brawijaya Repository knowledge activities. However, Ringits practice, this coordination activity Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository among those departments and agencies should possess a long procedure Repository Repository and make the agriculture development programs late to be implemented. In Repository Repository Universitas Brawijava Repository Repository Universitas Brawijaya Repository addition, because of this long procedure, the empowerment programs are Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Univertices inhibiting factors Faboves inhibit the success of sustainable Repository Repository development in agriculture sector in Malang Regency because sustainable Repository Repository Repository Repository agriculture requires the integration and commitment of those implementing Repository Universitas Brawijaya Repository Universitas Brawijaya Repository actors. If these inhibiting factors cannot be completely removed, it can be Repository Repository Repository ensured also that sustainable agriculture development also cannot be Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Repository achieved in this regency ava Repository Universitas Brawijaya Repository Repository Univ Another inhibiting factor that should be more considered is the socio-Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository culture condition of the people in Malang Regency, especially concerning Repository Repository low-educational level of the farmers. As explained before that 36,44% of the Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository population in Malang Regency only graduated from Elementary School, even Repository Repository 36,44% of them did not finish their education in Elementary School, while Repository Repository Repository Universitas Brawijaya Repository Repository almost 50% of this regency's population works in agriculture sector. This Repository Universitas Brawieva condition makes transfers of knowledge activities difficult to be conducted. Repository Repository Repository Repository Those related departments and agencies especially Food Security and Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Counseling Implementer Agency which has main responsibility to give Repository Repository transfer of knowledge activities to the farmers need a long time to make the Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijava Repository farmers, understand, about the educational material because this agency Repository Repository should delivered the same knowledge in many times in order to make the Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository farmers understand wijava Repository Universitas Brawijaya Repository Repository Universidering this condition, the empowerment programs which have Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository focus on human development needs to be implemented more, well and Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya positive impacts toward social aspect of the community, especially farmer Repository. Reposit Reposit community. Moreover, some previous researches stated that education is very Repository Universitas Brawija epository Universitas Brawijava important in promoting sustainable agriculture development because education Repo Reposition increase the human capacity in order to be able to think better and address Repository Universitas Brawijaya Repository Universitas Brawijaya Repositenvironment and development issues, while increasing the human capacity Reposit through education is the essence of empowerment approach sitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UBased on the argument above, the programs that have been conducted Reposite by all related departments and agencies in Malang Regency classified into Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit sustainable and non-sustainable agriculture development, and also classified into Reposit empowerment and un-empowerment programs. However, most of those most of those Repository Reposit programs do not lead to sustainable agriculture development because chemical Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava Repositionly little concernion natural preservation. This condition causes natural and Repository Universitas Brawijava Repository Universitas Brawijaya social degradation that dangers the ability of the next generation in fulfilling their Rei 0S Reposit needs. Most of related departments and agencies more emphasize on the Repository Universitas Brawijava Repository Universitas Brawijaya Reposit implementation of non-sustainable agriculture development programs. awijava Repository U This condition is compounded by the implementation of programs that do Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit not lead to empowerment in order to develop human resources quality of the Reposit farmers so that they become more independent. The Local Government of Reposit Malang Regency through its related departments and agencies provides only little education and training programs, otherwise, this local government gives a lot of Reposito Rei OSILORY Repositigrants to the farmers. The lack of programs leading to the empowerment of the Repository Universitas Brawijaya Repository Universitas Brawijaya Repositfarmers increases the potential dependency of the farmers toward local of Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Repository Universitas Brawijaya

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1 7	agriculture development program that can answer the fa		Repository
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	meeting among related departments and agencies		Repository
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	Working units and shorten the coordination procedure Universitas Brawijaya Repository Universita		
1 I/	and officient. This is important to evoid everlepping in	the implementation	Repository
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, v	based on the performance of the employees of all relat		Repository
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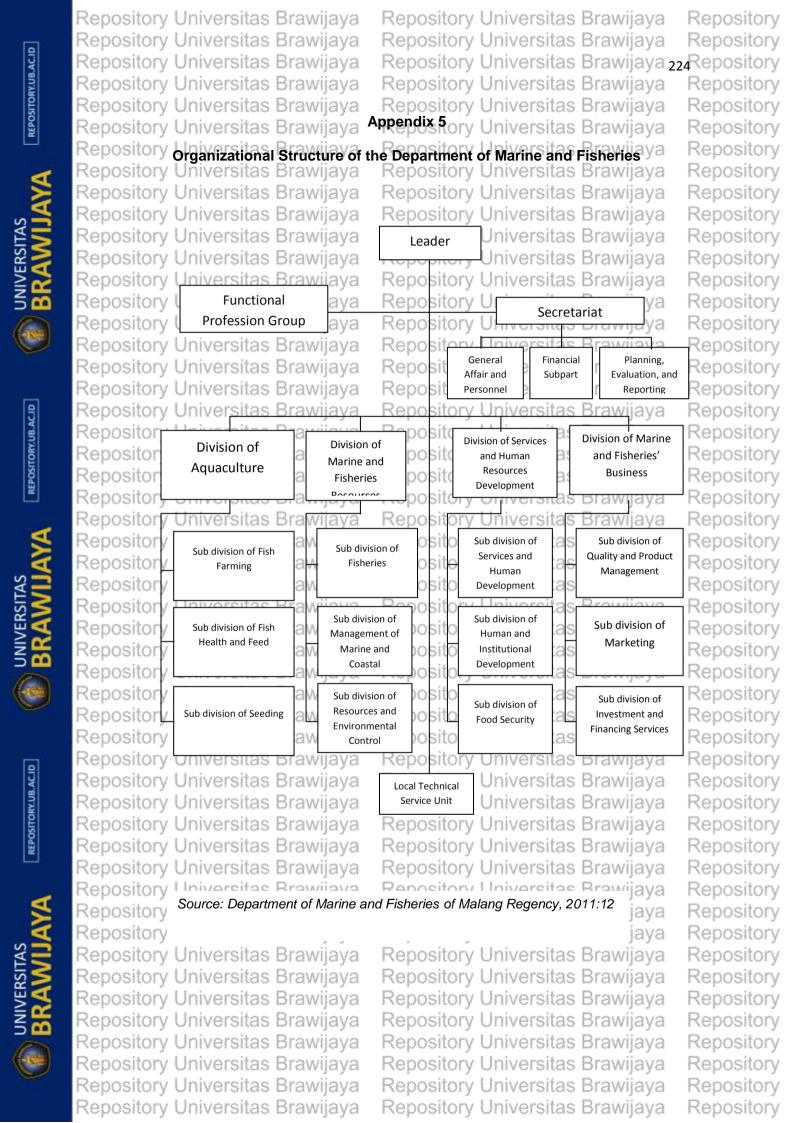


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