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In addition to that, there is Repository still the tendency that industrialization and economic development within Coastal Zone often resulted in the marginalization of the local community. Repository Based on the condition on coastal area problems and coastal area development policy, the Repository research will analyze coastal area's sustainable development performance in Malang recency coastal areas. The Coastal area development performance will be measured with Repository United Nation Committee Bon Sustainable Development (UN-CSD) Bindicators on Repository environment, economy, social and governance. This research focuses to describe and analyze the development performance of Malang regency coastal area and its phase Repository epasitory Universitas Brawijava Repository Universitas Brawijava This research uses a sustainable development indicator and methodology that has epository developed yby United Nation Committee on Sustainable Development RUN CSD) a The Repository Rindicators are: a) Economy: Gross Regional Domestic Product, Employment Population Repository Ratio; b). Environment: Forrest Area per Land, Arable and permanent crop land area, epository Annual catchment fish, c). social: Population growth, Adult secondary education level, Immunization against childhood diseases;and d). government institution: government Rofficers' capacity the human and economic loss due to the natural hazard The research Repository uses the descriptive design. The research will analyze the indicators' performance compared Repository to the first year. Then each indicator will be viewed according to the development factor Repository (economy, environment, social and governance). DOSITORY UNIVERSITAS From 2003-2008, the aggregated of coastal areas' development factors performance as Repository follows: economy performance factor (34.08%), institutional performance factor (30.80%) Renvironment factor (12.5%) and social factors (4.6%). The aggregated of coastal areas Repository development performance was 20.49% and The Malang regency aggregated performance Repository was 19.23%. That means the development performance of coastal areas was slightly better. compared to Malang regency. The Malang regency coastal area's development performance was influenced by economic factor performance (34.08%) that supported by GRDP, perRepository capita (66.39%). The GRDP per capita performance was supported by the GRDP fisheries epository sector performance (70.68%) and it caused by increased of fisheries production and fish price. According to the sustainable development phase definition by Sarosa (2005), the epository coastal area Udevelopment phase was still an the to hase niver sileans the vectoromic Repository Revelopment still become main priority which is followed by environment development. Repository RIn 2004) Malang/regency local governmenteresponded the variantment of the local epository Recovernment law by merged several agencies from 40 into 30 and marine affair and fisheries Repository agency was combined with livestock agencies. In 2008, the marine affairs and fisheries agency was separated with the livestock agency as a response from the application of the Naw No. 27/2007 concerning the management of coastal zones and small aslands. The POSITORY Rchanges seein to increase the agency's workload but when it viewed as the effectiveness Repository and efficiency principles such action were needed. The changes gave a hope of the better Repository service results especially if followed by an enhancing of the existing human resources Repository guality. BRAWIL This research also shows the use of UN-SDC methodology and indicators and it can be applied to analyze the sustainable development performance at local government level in Repository Rindonesia. Surely this can be done by adjusting data availability and relevancy at is possible Repository to undertake comparative studies across multiple locations. Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ReposiFor this research, a will analyze coastal area's sustainable development performance Repository Repository in a selected coastal area. The government makes some policies and programs to manage Repository Rits coastal area developmen Bissues. Then we will calculate the coastal area development Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya performance by measuring it with sustainable development indicators (environment, Repository BRAWIJAY Reconomy, social and governance). The important analysis calculates based on the public Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository policy evaluation, sustainable development theory and integrated coastal management epository theory. In my opinion, this research is essential to know the coastar area development Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository performance because it shows local government commitment to improve its coastal area epository also inform us the coastal area role to the regency. Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 1.2. Research Purpose and Benefits Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Research Purposes rawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reperinges of this researchare to know homepository Universitas Brawijaya Repository Repository Universitas Brawijava a) The development performance of Repository Universitas Brawijaya orv Univers as Brawijaya Repository economic factor in coastal area Repository Universitas Brawijaya Repository BRAWIJ Reposib) The development performance of environment factor in coastas area will ava Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Repositor The development performance of social factor in coastal area. Brawijaya Repository Reposidor The development performance of institutional factor in coastal area.awijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya 7.2.2. Research Benefits Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Rev conducting this research, researcher's hope will give the benefit tosit as Brawijaya Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Reposition Practice: The research result will give input and advice to government actor on Repository Repositor coastal area development policy in Indonesia. Unevelopment actors such as Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository governments, non-government organizations, Repository Repositor central government, and local Repositor community workers, private sectors, and communities can use the research Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor finding to see the coastal area development performance in the location based Repository BRAWIJ Repository Universitas Brawlava indicator (economy, social, environment/ecology, Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository RMy research compared to previous study, there are several differences found; ava Repository Repository Universitas B Repository . My research case study is the coastal area sustainable development in a selected Repository Repository Repositionesia regency (Malang/Regency). Puntipholog there is end it escalade velated this Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Re 2. Previous researches focused on finding out the proper sustainable development epository Repository Universitas Brawijava Repository Universitas Brawilaya Repository Repoindicators for certain coastal area/coastal development policy Some of them use Repository Reported and social indicators, and UN-CSD used social, economic, ecology Repository Repository Repository Universitas Brawijava Repository Universitas Brawijava Repoand institutional indicators. This research focuses to describe and analyze the Repository Repository development performance of Malang regency coastal area and its development phase Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya RepositionUniversitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Resonation Research methodologyawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Readsilver of Researchs Brawijaya Repository Universitas Brawijaya Repository Reposition research is using descriptive design. McNabp (2002) explained that the Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rescriptive design used to develop a snapshot of a particular phenomenon of interest. Repository Descriptive studies typically involve large samples. They provide a description of an event or Repository Repository ository Universitas Brawilaya Refine a set of attitudes, apinions, or behaviors that are observed or measured at a given Repository Repository Universitas Brawijava Repository Rosnow (2001) stated the focus of descriptive Repository time and in an environment. Rosenthal and Presearch is the careful mapping out of a circumstance, situation, or set of events to describe Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository what is happening or what has happened. Repository Universitas Brawijaya Repository Repositor this research, I will use performance analysis of the indicator parameters/ Each Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository parameter is calculated by measuring the annually parameter progress (in percentage). Then epository each parameter will be viewed according to the development factor (economy, environment, Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Recial and institutional). From the progress of the parameters and classifications based on Repository Repository Universitas Brawijava Repository Universitas Brawijava in Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository RMalangtoryRegencyrsit coastal wijarea. Afterknowingthey Urgrowtholas BhefourtactorsofRepository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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REPOSITORY UB. AC. ID	Repository Universitas Brawijaya Repository Universitas Brawijaya area is 1,922,570 km ² and the seas area is Cuakarta. Indonesia divides fand borders with I Repository Universitas Brawijaya Timor island, and Papua New Guinea on	Ccean and Pacific Ocean. Indonesia's land 3,257,483 km². The nation's capital city is Malaysia on Borneo island, East Timor on the the New Guinea island. Then the maritime	Repository Repository Repository Repository Repository Repository
	borders split across narrow straits with Sing north, and with Australia to the south. ¹ Indonesia has over 238 million people The world, and it has the world's largest M Indonesia consists of different religious, et	apore, Malaysia, with the Philippines to the Repository Universitas Brawijaya (BPS, 2010) the population is the fourth of Uslims population. Across its many islands, hnics and linguistic groups. There are six	Repository Repository Repository Repository Repository Repository
50	Religions that government officially recognize Hinduism, Buddhism, and Confucianism. The R742 different languages, and dialects in I Repository Universitas Brawijava	s: Islam, Protestantism, Roman Catholicism, Repository Universitas Brawiava are are around 300 distinct native ethnicities, ndonesial ² The largest ethnic group as the Repository Universitas Brawiava	Repository Repository Repository Repository Repository
REPOSITORY UB, AC.ID	Javanese, who cover 42% of the population <i>Tunggal Ika</i> " ("Unity in Diversity"). Despite areas, Indonesia has vast areas of wilderness of biodiversity. The sectory is fully different with	Indonesia's national motto is "Bhinneka Its large population and densely populated that comfort the world's second highest level	Repository Repository Repository Repository Repository
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ersitas AWIJA	represent significant roles." The country's ed	conomy is the largest in Southeast Asia, and it	Repository
	Ris one of the G-20 substantial economies m	ember.4 Indonesia's appraised gross domestic	Repository
	product (nominal) was US\$ 706.73 billion (2010), with projected nominal per capita GDP	Repository
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	was US\$3,015, and per capita GDP (PPP	") was estimated as US\$4,394." The industry Repository Universitas Brawijava	Repository
	sector is the country's largest economy sector	or and accounts for 46.4% of GDP (2010). This	Repository
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C.ID	Rthe country's largest employer, ⁶ However, s	ince 2010, service sector has employed more	Repository
Y.UB./	people than the others, accounting 48.9% o	f the total labor force. Then it was followed by	Repository
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REPO	Ragriculture (38.3%) and industry (12.8%).	Repository Universitas Brawijaya	Repository
	Indonesia proceeded a trade surplus	with export revenues of US\$ 137.02 billion and	Repository
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IAS	main export markets are Japan, the United	States of America, China, India and Singapore	Repository
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(m)	as natural gas, crude oil, copper, tin, and go	old. Indonesia's main imports include equipmen	Repository
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≩₽	Rareas, the data from the existing research s	howed a poverty happening in some coastal	Repository
500	areas For example COREMAP (1997/1998)	studied in 10 Indonesia's provinces showed -	Repository
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, V	that the range income for fishermen was Rp	82,500 per month to Rp 225,000 per month.	Repository
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AC.IE	the same year which was Rp 95,000 per	month. Lack of understanding the Value of	Repository
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	public understanding of the value of the co	astal resources such as fisheries, coral reefs,	Repusitory
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ER	communities who understand the utilization of	f coastal resources for the others benefit such	Repository
≧ 	Respectivence the series of th	Repeatitorymetrikkersitinen Brawijiwya for	Repository
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(-15)	electricity and so forth. And sometime this no	pn-monetary value has greater benefit than the	Repository
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	Repository survey results conducted b	Rethes Coastal, Researchs and Monitoring	Repository
(ACII	Rerogram/CRMP (1997-2000) showed 99% of	of people stated that coastal resource is fish.	Repository
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osito	Rwhile those who stated that mangrove is the c	castal resources as much as 4%. Similarly, the	Repository
REPI	views of the ocean and coastal resources	most people(more than 90%) stated that the	Repository
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1	Rresources are just a source of food and used	by individuals, while only a small fraction (2%)	Repository
×	stated that the marine and coastal resources	can be used as a source of medicinal and other	Repository
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	KusesisThe overall/attitudes of compaunties	towards coastal resource indicated their low	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rawareness of coastal resources. The study shewed that, only a third to speaple who claim Repository ony Universitas B Repository Universitas Brawijava Repository that they care to protect coastal resources Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 2.2 Industrial Structure, Job Opportunities, Regional Income Disparity Repository Repository The structure of industry in Indonesia can be seen by comparing the national GDP Repository Randchel GDP of leachs industry sectory From BPS cdata in/ 2007) The lamount of / GDP awas Repository sector (Rp 1.06 trillion or 27.9%), co Rp3.95 trillion, it was consist from industry Repository commerce Repository Rectors (Rp/ 592) billion for 34%) and the agricultural sector which included lisheries sector Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository sector itself was Rp 97 billion or 2.8% of the Repository provided Rp541 billion or 13.7%. Fishery Phational GDP, it grew 5.39% yearly. From 2002 to 2008, the total catches have increased POSITORY Repository Universitas Brawijaya Repository Universitas Brawijaya Repository by18% and the aquacultures have enlarged by 239%. With the same data source, total epository employment during 2007 was 99 million people compared to the agricultural sector's workers Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rwith 41 million people (41.2%) rawijava Repository Universitas Brawijaya Repository Reposition Meanwhile, the research on the economic performance of fisheries sector in the first Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Indonesian fishely economy performance was Repository Reparter of 2009, Suhana (2009) found that Repository deteriorated. He obtained from Investment Coordinating Board's (called BKPM) 2009 data Repository iniversitas Brawijava niversitas Brawijaya Rthat showed the growth of fishery sector investment realizable value from January 2006 to Repository Repository Universitas Brawijava per year. The investment value of the fishery's Repository February 2009 decreased by 5.39 percent Beasopercent clametrom acregion investment. Repository Rector in 2006 reached Rp. 33 billion with Repository Universitas Brawijava Repository Universitas Brawijaya Repository sector investment only reached Rp. 2.4 billion Repository Meanwhile in 2008 the value of the fishery Rwith 100 percent came from foreign investment. During January to February 2009, the value Repository Repository Repository Universitas Brawijava Repository Universitas Brawijava of investment in the fishery sector was zero. This shows that the fishery sector did not epository to Repository receive appropriate attention from domestic investors. Governments appear unable Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Reconvince domestic investors to invest in the fishery's sector. Universitas Brawijava Repository Repository Universitas Brawijaya investment climate and fisheries Sector has an Repository Repository Universitas Brawijaya Repository sector cBKPM/datai/shows at hat fishery sector Repository Rimpaction employment institueing to 2009. In addition, he found the effect of the Repository employment continued to decline from 2006 Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository



Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Recreased investment climate and business performance of the fisheries sector has reduced Repository Repository the import export trade balance performance of Indonesian fishery products. BPS data Repository R(2009) showed the value of the export import trade balance for fishery product in 2006-2008 Repository BRAWIJAYA Repository Repository Universitas Brawijaya Repository Universitas Brawijaya has decreased 2.47% per year, meanwhile the volume of the export import trade balance for Repository year prhose all could be caused by the higher Repository fishery product also decreased 0.02% per Repository Universitas Brawijava Repository Universitas Brawijaya Repository evolume and value growth of fishery product import than the export ersitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository R23 osiEnvirbmentsDegradationabyaEconomic Developmentsitas Brawijaya Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Reposition one recent decade, the rate of coastal resources' degradation has reached the Repository Rwarning Gevels. Coastal resources degradation can be divided into four parts a. Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Ecosystems Damage, such as mangrove ecosystems, coral reefs, sea grass beds, Repository Repository estuaries and beaches; b. Fisheries resources Damage, c. pollution, d. Erosion, Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Redimentation and siltation. Damage to coastal ecosystems is a direct implication on the Repository BRAWIJAYA Repository fish resources to expand and reducing the declining fish habitat quality and reducing Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Raesthetic function of the coastal environment. Contamination also reduces the water quality Repository Repository and increases the levels of toxic substances and heavy metals that pose a threat to the Repository iniversitas Brawijava Rimplications/for coastal tecosystems and fisiR poisoning: Sedimentation sower brightness Repository level (increased turbidity) and cover the surface of coral reefs and sea grass beds, resulting Repository Repository Repository Universitas Brawijaya Repository Rin further degradation of ecosystems ava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ReposiThe total area of Indonesia coral reefs are 85,200 square km, the second largest of Repository Repository world's after the Great Barrier Reef. And now it was recorded 40 percent in poor condition, Repository Universitas Brawijava Repository Universitas Brawijava Repository 24 percent moderate and only six percent in very good condition. Condition of Indonesian Repository Repository coral reefs drastically decreases up to 90% in the last fifty years due to non environmental Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rfriendly fishing practices. In addition to excessive fishing, land sedimentation and pollution, Repository coral mining, are also causing the Indonesian coral reets damaged (Coremap, 2008). Repository BRAWIJA Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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R1993 has been a decline in mangroverfores	t from about of million harts around 2.5 million ha Repositor
(Dahuri et al 1996). The decreasing of man	Repository Universitas Brawijaya Repositor grove area is caused due to an increased activity Repositor
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residential development in coastal areas and	d felling of mangrove forests for the needs of fuel Repositor
Rwood charcoal and building materials va	Repository Universitas Brawijaya Repositor
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Reposition problems in indenesia have	e reached a critical stage, because many mainRepositor
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Reprocesses, human activity so Baccombination	on Rot both it Beach letosion its saused by human Repositor
activities such as port development, coas	Repository Universitas Brawijava stal reclamation (for settlements, airports, and
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Rindustrial). Even carrying as many as 243m	naRislands in Indonesia:have disappeared, either Repositor
due to natural events, as well as human ac	tivities. Even more alarming, 2,000 other islands
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hin the country are also threatened with dro	whing as the impact of global warming Erosion CODOSICON
events are certainly not undisputed so far h	has not caused problems for the benefit of man.
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businesses to handle the protection and oth	eractivities on Universitas Brawijaya Repositor
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provinces are subdivided into cities (kota)	and regencies (kabupaten) swbich are further Repositor
Rsubdivided into sub-districts (kecamatar).	and again in subdivided into vilage doviding Repositor
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R(either kelurahan or desa). Moreover, a villa	age is divided into several citizen groups (Rukun-Repositon
Warga (RW)) that are further divided into	several neighborhood-groups (Rukun-Tetangga
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Restablished, in 2003, Thes law aprovated the cities tand regencies the comentation of the crucial Repository versitas B orv Universitas Bra Repository wiiava administrative units, and responsible for providing most government services. Repository Reposivity the exactinent Brazava No. 22/1999 Sthen / revised with a Eaw No. | 32/2004 Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya concerning local government, regional autonomy has become a fast fact in Indonesia. These Repository Plays form the legal framework for governance especially by regencies, with assistance from Repository Repository Repository Universitas Brawijava Repository Universitas Brawilava both provincial and central levels of government. The law is intended to organize and epository manage local societies, through their own decisions, based on their own aspirations. The Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository new authority for regencies covers most governance field except finance foreign affairs, Repository Sustice, defense and security, and religion. Repository Universitas Brawijaya Repository Versitas Brawijaya Repository Universitas Brawijaya Repository Rregulations to manage other areas of governance for itself. The central government has Repository jurisdiction to establish policy regarding a host of subjects, including natural resource use Repository Repository Repository niversitas Brawila Rand conservation. With respect to natural resources, the local government is authorized to Repository Repository Universitas Brawija epository Universitas Brawija Repository organize the natural resources in its area and is conscientious for maintaining environmental Repository Represervation pursuant to tail and rate tail have has considerable bearings on coastawies purces Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository management. The territorial sea under the jurisdiction of the province extends up to ¹²Repository Pnautical miles from the coastal shoreline. Within this territory, provincial government includes Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository three categories: (a) exploration, exploitation conservation, and management of the sea epository area, (b) administrative affairs, and (c) law enforcement. Meanwhile, the regency may Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Rdevelop regulation over one-third of the provincial waters, seaward from the island shoreline, Repository or 4 nautical miles from the coastal shoreline. However, there are two notable exceptions to Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rthis regional authority First, the seabed underheath the sea territory is not explicitly included Repository in the maritime area, so that responsibility for management of the seabed appears to remain Repository Repository Repository Repository Universitas Brawijaya Runder the central government control ava Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Universitas Brawijava / Universitas Br Repository small island management is regulated by Law Repository FNo. 27/2007 concerning The Management of Coastal Zones and Small Stands. This Law Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository and Small Islands which covers the junction Repository shall be in force within the Coastal Zone Pbetween the influences of marine and land areas landward covers the district administrative Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya parea and seaward is 12 (twelve) nautical miles measured from the coastline toward the high epository 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 Repository Universitas Brawijaya Repository Rseas and/or/toward the archipelagic waters. The scope of this have insigneral is divided into Repository ersitas B Repository ory Universitas Brawijava three parts of planning, management, surveillance and control epository Universitas Brawilaya Repository Repository Universitas Brawijaya Reposikum Iniversitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposi Planning is carried out through an Integrated Coastal Zone and Small Islands Repository Reposi Management approach? which integrates various planning formulated by various Repository Repository Universitas Brawilava Repository Universitas Brawilava Repository Reposit central and local agencies and resulting in harmony and mutual strengthening in its Repository Repositexploitation. The Plan for the Management of Coastal Zone and Small Islands is Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Reposi carried out to harmonize economic development interests with the preservation of Repository Resources while taking into account the Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repositcharacteristic and uniqueness of the areas. The integrated plantis ar effort in stages Repository Repository Universitas Brawijava, Repository Universitas Brawijava, Repository and is programmed for the optimum utilization of the Coastal Zone and Small Repository Repository Universitas Brawijava, Repository Universitas Brawijava, Repository Repositistands Resourcess to enable it to generate sustainable economic benefit for public Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposit the plan is accompanied with efforts Recontrol the Impace of sectoral development Repository Repository Universitas Brawilava Repository Universitas Brawijava Repository Repositive which may happen, and to safeguard the preservation of resources. The planning Repository Reposi for Ceastal Zone and Small Islands is divided into four stages: (i) strategic plan, (ii) Repository Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repositzoning plan; (iii) management plan; and (iv) action planniversitas Brawijaya Repository Repositive Managementas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposithe management of the Coastal Zone and Small Islands includes the stages for Repository Repositon Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository oRthe coastal and small islands Bwaters shall be Repository Repositoay The exploitation Band business carried out through the issuance of permits or license for exploitation and right Repository Repository Repository Repository Repository Idnundertakes businessain the Reastat inaters (HaterBengusahaani Berairan Repository Pesisir / HP-3). License for exploitation is issued in accordance with laws and Repository Repository Un Repository Repository legulations and the relevant agencies competences/ersitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Repositoby Right to Undertake Business in the Coastal Zones (HP-3) is issued for the Repository Repository aquaculture area or manime zone for public utilization except those that has Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository been regulated separately, a Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository









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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository R(women): A/total of 1,319,465 people was the labors force and there were B08.726 people Repository unemployed. Per capita income in Malang regency was Rp 9.3 million / year (\$ 930/year). Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 2.5.1 Malang Regency Coastal Area Condition Universitas Brawijaya Repository Muhammadiyah University (called UMM) and Repository Reposithe research conducted by Malang Repository Repository Universitas Brawijava Repository Universitas Brawijaya RMinistry of Marine Affairs and Fisheries (called DKP) in 2002 found some conditions of Repository Malang regency coastal areas. Malang regency coastal areas locate at six districts with a Repository Repository Universitas Brawijaya kepository Universitas Brawijaya Rtotabarea rof land planning is 107.131/ha, and the seas territory is 4 mile away from the Repository Repository coastline. Malang sea area is located on the south part and the Indian Ocean, which has the Repository repository Repository Universitas Brawijaya Roowaves and currents it as Brawijava Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Typical of the Southern seas is open seas with big waves and strong currents. The Repository as the southern equatorial current, to the west Repository strong currentin the south ceast is known Repository Universitas Brawijava Repository Universitas Brawijava Repository annually. But in theWest season there is a narrow path skirting the Southcoast of Java with Repository the current towards the east, opposite the southern equatorial current. The current flow is Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rknown as arus pantai jawa (java coastal current). In the summer, the ocean water seast of Repository Repository the strong wind is blowing East South equatorial current make it more broadly to the North Repository Repository Universitas Brawijava Repository Universitas Brawijaya Rmove along the south coast of Java to Sumbawa, and then forcing it to veer towards the Repository West. So when the surface currents in this area show the pattern of anti-cyclonic circulation Repository Repository Repository Renturning, Bedause these scurrents bring water to the outer surfaces away from the beach, Repository there will be a vacancy resulting from the rising waters below (up welling). Water rises here Repository Percurred roughly from the South to the south of Java, Sumbawa, starting around May and Repository Repository Universitas Brawijaya ends around September. The depth of the South Java Sea at 1575 to 2625 km is up to 200 Repository Repository Universitas Brawija3000 nRepository Universitas Brawijaya Repository Repository Universitas Brawijava Repository Repository Universitas Brawijaya Reposi Coastal region of Malang Regency in terms of the land physical condition has aRepository height of 0 to 2000 meters above sea level, most of its territory located on the slope 5 to Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository R15% (39.42%) of the coastal area of Malang). The condition varies the steep land to Repository mountains. The closer area to coastal areas generally have the characteristics of mountain Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rareass mostly limestone and the slope> 40% The lareas that have slobes wi 40% are Repository versitas Rrs Repository Universitas Brawijava Repository Ampelgading and Tirtoyudo sub-districts. Repository Universitas Brawijaya Repository Repositne/weather initioas areas such as general weather/inrMatangPregency has a Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya tropical climate with temperature between 18.25° C to 31.45° C (average temperature off our Repository Air pressure rever that 10127. Rainfall average Repository weather stations between 23 °C to25 °C). Repository Universitas Brawilava Repository Repository Universitas Brawijaya yearly Among these there are two season's Repository per-year is 159684.85 mm and rainy days Repository transitional seasons between the months of April to May and October to November. Repository Universitas Brawijava Repository Universitas Brawijava Repository Repos Hydrological conditions in the coastal area of Malang Regency include conditions of Repository surface and ground water conditions. Beaches that have a surface water source or river and Repository Repository Repository Universitas Brawilava Repository Universitas Brawijaya Restuary to the locean is the Sippery beach: Sipelot, Lenggokson, Tamban Wonogoro, and Repository dry season is generally covered with sand, so Repository Kondang Merak. Estuaries' condition in the Repository Rthatoriveo flow stopped in the mouth of the leavany and open in enew rain reason. RiverRepository Estuary, located in Slippery Beach filled by sand from Mount Semeru. Sand is what resulted Repository RighthesbeachsandvisistipperyPandvitie paginaRwhitestoblack. During the still active Mount Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository will continue to be filled withsand. The rivers Repository Semeru is estimated to river, and estuary is Rapside which emplies into the beach is Repository whichpass through the planning area that Repository Universitas Brawijava Repository Universitas Brawijava Repository slippery, Kali Bambang (Sub Sumbermanjing Wetan), Kali Duron, Bopakang, Bopak and epository Sumber bulus. Sumber bulus emples into the Coast Wonogoro, Kali Bale kambang(Sub Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository RBantur) and Kali-Sumbarmaning (Sub Denomelyo) ository Universitas Brawijaya Repository Reposition of the sources in this region can be obtained by drilling to a depth of 40 to 60 Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rmetersit in addition to ground water resources, water resources are the main population Repository springs are located throughout the region. Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repositheytype lotes oil texisting in they area Replanning vis Ulatosot, SAndosots and Altuvia Repository Repository Universitas Brawijaya Repository characteristic is fertile soil, and easy for erosion Repository (relatively fewer in number). Th The latosol soil Recause of the closeness between the soil particles is low, stained ed within creasing Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository concentration of Fe and AI are out of the solum. While the andosols's soil characteristic is Repository Remesión, easy eixachitaa Sitamejoyannu Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ReposiGenerally, erosion level is low, but Ampelgading, Gedangar and Bantusub-districtsRepository versitas Repository erosion rate is high. Viewed from the physical factors that include topography, climate and Repository Resploationst Usailys haive sa Broblemy a The Rando problems in dentpitcauser by line and Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository mismanagement and selection of plant species that are less precise sitas Brawijaya Repository Reposiutilization and management of tand on the main land would and rectly affect the Repository Repository Universitas Brawijava Repository Repository Universitas Brawijaya there is the linkage of secological (functional Repository conditions in coastal areas. Empirically, relationship), both among the ecosystems in coastal areas and between coastal regions with Repository Repository Universitas Brawijava Repository Repository Universitas Brawijava Rabove land, and sea, Land use on the main land includes the settlements, fields, fields, Repository gardens, woods, and others (e.g. cemetery, street). Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository Repository Universitas Brawijaya Repository 2.5.2. Malang Regency Policy for Its Coastal Area Repository Universitas Brawijaya Universitas Brawijaya Repository Reposibased on the vision and mission of Matangsregency local government the coasta Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository area development is one of the top priorities of the seven other flagship events. The local epository government will develop the coastal area especially in fisheries sector businesses at Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Sendang Biru, and the fact that 17% of Malang population live at the coastal regions with Repository Repository Repository Universitas Brawijaya some of them work as fishermen. Repository Universitas Brawijava Repository Repository Universitas Brawijaya Repositherefore development in coastal area is very important by enhance this priority Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Repository Revelopment plans in Malang is through the creation of centers of fishery-based economicRepository growth. This program was chosen because Malang regency's sea area has abundant natural Repository Repository Universitas Brawijaya Resouctory Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rarea was determined by the Government of Matang Regency, which fulled that the sendang Repository Repository Universitas Brawijava Repository Repository Universitas Brawijava Biru area was planned as a priority for the Central Region Fisheries made in Malang. As a Repository First step, the program will be planned by the Government of Malang Regency in the Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Rbeginning was planned to optimize the development of fish landing centre (called Pangkalan epository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rendaratan Ikan Rel) Pondokdadap as the fishing industry development center in MalangRepository v Universitas Brawijava Repository Regency, which is based on empowering local communities. Universitas Brawilava Repository ReposiSouthern part of Malang regency has \$6.48km long coast, and it is located in the sixRepository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository sub-districts. Based on the results of a study conducted by the UMM Research Institute Repository the South East Java waters as 457,038.18 tons Repository (2002), the sustainable yields for fisheries in Repository Universitas Brawijava Repository Universitas Brawijava Repository per year, while production that has been used for 40,000 tons per year, so the utilization rate Repository reached only 8.75%. Fishing activities by fishing in the waters of the South Malang during Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijava 13 beaches which have become the center of Repository cthis indicates a fairly good number. The Malang Regency fishery activities and landed the biggest fish was conducted in Sendang Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya RBiru namely in the PPI Pondckdadapava Repository Universitas Brawijaya Repository Repository Universitas Brawijava Noting the research results on Repository Universitas Brawijaya potential of tish resources Brawiava Repository Repository Chiversitas Brawiava Repository the Repository Rimportance of coral-real acosystems the existences and management of ponds vactivity or Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository post-capture fishing industry and human resources that exist, then the policy development of Repository Repository Rfisheries in the coastal area of Malang Regency could be reached as follows Brawijaya Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Rep(1) Increasing utilization of fish resources, especially fish that have high economic value, Repository Reposithrough the application of science and technology utilization arrest. Given the existing Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repos fish resources of Malang, Regency for approximately 15.9% of the sustainable epository Reposipotential by 26,066.198 tons. ava Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rep(2) Optimizing the utilization of existing farm and cultivated commodity diversification. Repository Rep(3) Improving the quality of post-catch handling, in the form of processing industry and Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repositrest fish handlings Brawijaya Repository Universitas Brawijaya Repository Repository universitas Bravia a Repository Universitas Bravia a Repository (4) Improving the quality of human resources and tishermen income by optimizing the Repository Repository Repository Reposituilization of fishery resources and post-fishing activities with the application of Repository Repository Universitas Brawijava science and technology adequate and increasing the added value of the fishery. Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository









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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repositive analysis in this study will be conducted on the development performances of four Repository ository Universitas B Repository main development factors environmental, social and institutional which are economic, Repository RMeanwhile the research locations loovering Rix coastal sub-districts in Malang/Regency, Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository namely: Donomulyo, Bantur, Gedangan, Sumbermanjing, Tirtovudo and Ampelgading Repository Reposithe development performances will be analyzed with series indicators based on Repository Repository Universitas Brawijaya Repository Universitas Brawilava Repository United Nation of Committee Sustainable Development (UN-CSD) indicators and epository Prinethodology. This study just uses some of the UN-OSD indicators based on the data Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijava relevancy and availability as follow, java Repository Universitas Brawijaya Repository GRDP per capita and Employment-population Repository Repository the economic factor indicators: Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repositorationiversitas Brawijava Repository Universitas Brawijava Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository b. The environmental factor indicators: Forest area as percent of land area, Arable Repository Repository Universitas Brawijava Repository Repositor and permanent crop area and Proportion of fish stocks within their safe biological Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repositor The social states Repository Population of with Intriving ations a Bainsvintectious Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Repositor childhood diseases, and Adult secondary schooling attainment level. Repository Reposido The Institutional factor indicator: Human and economic loss due to natural hazard Repository Repository Universitas Brawijava Repository Repository Universitas Brawijaya Repositor disasters. Government officer to population ratio. Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposive could know the sustainable development performance in the region from the four Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Repository Universitas Brawijava Repository Universitate Brawijaya Repository Universitate Brawijaya development of governments institutions. Then Repository Revelopment, social development and the from the aggregated development factor Repository Universitas Brawijava performance calculation, we can identify the Repository Universitas Brawijava Repository Repository Reustainable development abase of the region Repository Universitas Brawijaya Repository Repository Universitas Brawijava During 2003 to 2007 periods v Universitas Bra Repository Repositon there were two important events which were the Repository Ramendment of the local government law in 2004 and the establishment of Eaw 27/2007 Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository concerning the management of coastal zone and small islands in 2007. This study is Repository expected also can capture the local government reaction of the laws and its impact to the Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Malang regency coastal area development. Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository







Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Randsi Economiceacions Brawijaya Repository Universitas Brawijaya Repository Universitas Brawilava Repository Universitas Brawijava Repository Gross Regional Domestic Product per Capitasitory Universitas Brawijaya Repository Repositevel of GRDP per capitalis obtained by dividing GRDP at current market prices by Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya the population. The indicator is a basic economic indicator to measure the level of total epository economic output relative to the population of a region. It exposes changes in total well being Repository Repository Universitas Brawijava Repository Universitas Brawilava Repository Rof the population. Growth in the production of services and goods is a basic determinant of Repository the economy progresses. By allocating total production to each person that shows the extent Repository Repository Universitas Brawijaya kepository Universitas Brawijaya Republic the total production of a region can be divided by its population. The real GDP perRepository Repository capita growth indicates the pace of income growth per each of the population. As a single Repository Rcomplex indicator is a powerful summary indicator of economic development. If is a very Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository and developmental aspects of sustainable Repository valuable measure for the economic Revelopment.Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Reposithis study will compare GRDP per capita of coastal regions with GRBP per capita of Repository Malang Regency in general. The coastal region GRDP per capita is obtained by dividing the Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya rfisheries sector GRDP and the population in coastal areas. While the Malang regency GRDP repository per capita is the calculation between Malang Regency GRDP and its population. The use of Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rthe GRDP fisheries sector is intended to find out the sector influence on the population Repository which lives in coastal areas of Malang Regency. Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya ReposiByr2003, GRDBitishelies sector was Rp21.6 billion, and the sumbe Pot people living Repository epository Universitas Brawijaya Repository the GRDP per capita in the coastal area Repository Universitas Brawijaya Repository n the coastal area as much as 401.338. Pamounted to Rp 53,820 per person. Meanwhile in 2008, GRDP per capital grew to 9/188% to Repository Repository Universitas Brawijaya Rp 103.270 per person. These figures were derived from the GRDP fisheries sector which Repository Remounted to Rp 44.84 billion and a population of 434,179/ From 2003 to 2008, the average Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository performance index of the GRDP fisheries sector was 70.68% and the population was 2.28%. Repository Repositor the other sides, the Malang Regency GRDP of 2003 has amounted to Rp 9.91 Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Rtrillion with a population of 2,264,757 and GRRP per capita as Rp 4.37 million per person. In Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ¹² Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies -Third edition, Repository Rege 2551 United Nation 2007as Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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R2008, SGRDP becames Rp s13:03 trillion the population	brobecame 2,491,572 and GRDP perRepository
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RMalang regency GRDP was 14.84% and the population	tovas 4129% ersitas Brawijaya Repository
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GRDP Malang regency 9,916,866,280,000 10,457,655,640,000 10,976,205,730,000 11,617,93	36,650,000 12,325,656,700,000 13,034,488,460,000 11,388,134,910,000
RenPopulationary Universide Brazen 2,39 90 10.00 000	2,419,822 lniv2,393,648 tas 2,401,572,vija v2,361,960 Repository
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GRDP per capita 4,378,777 4,550,762 4,584,960	4,801,153 5,149,319 5,427,482 4,815,409
Repfisheries/Malan GRDE niversit0295 Braw 134 va F034 posi	ito 1034 Universatitas Brossinijava 102 Repository
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Fishenes-Malang GRDP	ito 204 Univertistas Bratiliava 185 Repository
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but its influence on the coastal area's population ecor	nomy is still small. It was indicated by
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coastal area GRDP per capita (66.39%). The high c	prowth of fisheries sector GRDP-was
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caused by the increased of fisheries production and	tish price. Then the role of fisheries
Exector was also very small on Malang regency econor	my (0.32%). The othe⊏information are⊃onocitory
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about the GRDP average performance index of the f	fisheries sector (70.68%) was greater
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population indexes in both coastal areas and Malang	regency. This information confirmed Repository
Rtbe economic development in the coastal areas and	Matanbl regency grewBretter than theRepository
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population growth and that mean the economic develop	pment has occurred. Tory Universitas Brawijaya Repository
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository RB.p. Employment-Ropulation Ratiojava Repository Universitas Brawijaya Repository Universitas R Repository Rer The employment-to-population ratio is expressed as the proportion of a working-age Repository Rei Peopulation that is employed any a region R the semployment to population vatic v gives Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya information on the ability of the economy activities to promote employment. Employment is Repository Economically active oppulation (aution since). Repository considered as the desired portion of the Repository Universitas Brawijaya Repository Repository Universitas Brawilaya Employment is useful and relevant to measuring sustainable development, especially if Repository consistently deliberate over time, and measuring with other socio-economic indicators. It Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository should be remembered, that it is common to get people working full-time but still poor due to Repository the particular social conditions, low earnings, and type of industrial relations predominant in Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rtheir country, industry, or occupation Productive and remunerative employment is one of the Repository Repository Universitas Bra main means to tackle poverty. Repository Driversitas Bra Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository wilava Repositions/research svills analyzev the / Employments/oppulation inatios in the Bincludes / three Repository Repository Universitas Brawijava things: the employment-population ratio in coastal areas, the employment-population ratio in Repository RMalang Regency and the ratio between coastal areas employments and Malang regency Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository population. From the first and second analysis, we can determine the ability of economic Repository Ractivity to create jobs in the region. Then, the third analysis aims to determine the proportion Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rof coastal areas workers in Malang regency population tory Universitas Brawijaya Repository Reposi The coastal areas employment-population ratio in 2003 was 52.25%. This figure was Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Rderived from employments (209,698 people) and its population (401,338 people) The Repository employment-population ratios in 2008 became 56.71%, which was the result of the division Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Retween employment (246,204 people) and the population (434,179 people). The average Repository performance index of the employment in the coastal region was 4.24% and its population Repository Repository Universitas Brawijaya Repozstany Universitas Brawijaya Repository In 2003, Malang regency employment achieved 1,124,684 people and a population Repository Rep Reposi Prumber of 2,264,757, so that the employment-population ratio was 49.66%. The 6-year data Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya also showed an average employment's performance index of 10.15% and the population's repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ¹⁵ Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies –Third edition, Repository Reage 2851 United Nation, 2007as Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository





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Ratio	49.66 48.32	50.15	47.59	60.08	58.62	52.40	Repositor
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RMalang regency, the nega	tive result happen	edaptes	2004 and	2006s Ita	stagtandi	cated the	Repositor
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R17.67%. Then, the average	e Comparison of	coastal a	rea emplo	iymenti lan	d Matang	regency	Repositor
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rsupported by the fact that the average performance index of cheitcoastal employment Repository versitas R Universitas Repository (4.24%) was lower than the other regions of Malang regency employment (10.15%). The Repository Remployment-population ratio Bnacoastal area Rand Malang regency swere above 56% and Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya proposition of working age population to the Repository tended to increase. This data showed the Regionator populationitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Repositive higher employment growth compared to population growth indicated that the repository acceleration of economic activity can create more jobs better than the acceleration of the Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Repopulation. This condition means people will more easily get a job and earn money so they Repository can be more prosperous. Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijava Repository C. Economic Factor Performance Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository ReposiEconomic factor performance of Malange Regency and rits coastal regions showed a Repository positive result and it meant the development has occurred. From 2003 to 2008, Repository theRepository Raggregated of economic factor performance of Malang regency was 7.75%, while the Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository aggregated of coastal area economic factor performed 34.08% (table 4.11). These results Repository Repository Universitas Brawijaya areas have better performance than Malang Repository Rindicate that economic factors in coastal Repository Universitas Brawijava Repository Universitas Brawijaya Repository Regescy in generalersitas Brawijaya Repository Universitas Brawijaya Repository Repositive Malang regency coastal area's economic factor performance was 34.08 % Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Rdriven by GRDP per capita (66.39%) and the employment-population ratio (1.76%). The Repository the GRDP fisheries sector growin (70.68%) and Repository GRDP per capita growth was supported by Universitas Brawijaya Repository Repository Repository Universitas Brawijaya Reaused by increased of fisheries production and fish price. Meanwhile the employment to Repository population ratio result was influenced by unemployment increased or working age population Repository Repository Preigration that happened in 2004 to 2006. The coastal area highest economic factor growth Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository occurred in 2007 (51.18%) and the lowest economic factor growth was 30.3%, that Repository Repository Universitas Brawijaya Reappeilarin 2004 versitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Reposition The high economic growth of fisheries sector showed an increasing in the utilization Repository Repthe lexisting fishery trescurces. The development strategy of Malang regency local Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Report and industry in Sendang Biru is the right epository 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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OSIT	policy because it will optimize the potencie	s of existing coastal resources. Fishery's secto	Repository
RE	development can be promoted by productivi	ty and value of fishery products increase throug	Repository
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SIT/	development to support the fishery's sector	r business such as ports and roads. Among th	Repository
AER	non-fisheries sector, tourism will be the mos	st potential sector. It must be considered that the	Repository
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	been introduced and developed well. Besi	des that the low developed infrastructures als	Repository
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CID	ReposiDespite the pettermances of emp	lovinent population ratio in coastal vareas an	Repository
CUB.A	Repository Universitas Brawiava Malang recency were not as bigger as (Repository Universitas Brawijava	Repository
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REPOS	Remployment population ratio were above 5	0% and the trend were indreased, as it gave	aRepository
(and)	hope for better economic conditions in coast	tal areas and Malang regency.	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository R312siEnvironmentai factorawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Forest Area as a Percent of Land Area Repository Universitas Brawijaya Repository Reposithe/indicator shows that the forest coverage in a region/country over time Porests Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository chave multiple functions on environmental, socio-economic, and cultural roles in the regions. Repository They are in between of the most diverse and widespread ecosystems in the world. Forests Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Reprovide many valuable resources and functions, including wood products and non-wood Repository biological diversity, water and soil, recreational Repository products, nabitat for wildlife, conservation of Repository Universitas Brawijaya Repository kepository Universitas Brawijaya Repportunities, and they play an important role in the global carbon cycle. They maintain Repository Repository employment and traditional uses, and biodiversity. There is common worry over the human Repository Rimpaction fotest health and the insural processes of forest regeneration and growth Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Deforestation combat to preserve in the production of wood and non-wood products and to Repository Protect soils, lair, water and biological diversity is sclearly contemplated in Agenda 21.14 Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository Primary forests are usually linked with high levels of biological diversity, especially in tropical epository areas. The area of primary forest is an essential indicator of the forest ecosystem status as a Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rwhole. A rapidly decreasing and continuing forest area in a region could be a warning signal Repository and foresity sector inversitas Brawijaya Repository of unsustainable practices in the agricultural Repository Universitas Brawilava Repository Repository Universitas Brawijaya Reposite Indonesia, there is a provision for each region to reserve a number of areas in itsRepository territory to be used as Green Open Space (Ruang Terbuka Hijau / RTH) or town forest. As Repository Repository Rstipulated by the Law No. 26 of 2007 on Spatial Planting / a region must allocate the green Repository open space at least 30 percent of its total area, where 20% is a public green space and 10% Repository Pfor private green space. For example in 2003, Malang regency coastal area was 109,747 ha, Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository so it should have at least an area of 32.924.1 ha of the forest area. Then Malang regency Repository Repository which has a land area of 325,509 hectares, it should have forest area of 97,652.7 had val Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository \mathbb{R}^{14} Agenda 21 is a comprehensive plan of action to be taken globally, nationally and locally by organizations of the Repository United Nations System, Governments, and Major Groups Source: http://www.un.org/esa/dsd/agenda21/ in every area in which human impacts or the environment. Repository ¹⁵ Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies –Third edition, Repository Research United Nation 2007as Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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	Reletived from its forest area (20,944 Ha) and	diffs land area (109,747Ha)aThe forest area asRepos	itory
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NA	coastal forest area (27,351 Ha) and the	coastal land area (103,218Fla). The average epos	itory
TA	Repository Universitas Brawijaya	Repository Universitas Brawijaya Repositates sub-districts was 29.65 % rits coastal lando	itory
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22	area declined as -0.42 %. The forest to c	coastal ratio's average performance index was	itory
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and	Repository Universitas Brawijaya	Repository Universitas Brawijaya Repos	HOLY
C	In 2003, Malang regency forest was 3	38,743 ha and the land area was 325,509 na, so	itony
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GID	65,870 ha while Malang regency land are	a became 312,470 ha, so the forest area as	itory
(JUB.,	Representi of landrarear was 21-08%/de 77-11	% growthilfrom 2008/ Theil gevt Rive wears data Repos	itory
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EPOS	showed the average performance indexes	of forest area was 76.62% but the land area	itory
E.	Recreased by 4152% and the presentation	Ranowasize 48%/ensiber MargheitzerencyReposi	itory
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A	forest area has increased very fast, it was d	lue to the change of the definition. If in previous	itory
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repositive comparison of coastal forest area and Malang regency land area was 6:43% in Repository Repository 2003, and it changed to 8.75% in 2008. These data indicated a growth of coastal forest area Repository Rto the Malang, regency land area ratio. In 2003 most of the Forest area in Malang regency Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya located at coastal areas (54.06%) but in the next years the other Malang regency regions Repository Reference areas grew with a higher acceleration than the growth of references the coastavarea. Repository Repository Repository Universitas Brawijava Repository Universitas Brawilava This could indicate the forest definition changes influenced larger in Malang regency than epository Repositional Iniversitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository ReposiThe above data also shows the other facts that there was a trend of increased forest Repository Repository area, and the trend of decreased land area. The increased forest area is a positive thing Repository Universitas Brawilava Repository Universitas Brawijaya Repository Recause it can also lead to the improvement of environmental quality in the region. While the Repository things such as coastal erosion, the changes of Repository declined land area can be caused by many Repository Repository Rands condition became critical lands on the changes of the administrative status. In addition, Repository both in coastal areas and Malang Regency epository Universitas Brawi Repository the forest's coverage as percent of land area Repository Rwere still below the prescribed 30%, so they still need to be improved. Matang regency tocal Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository government should make campaign for forestry and reforestation programs by government epository Pand private. The programs are expected to increase the forest area naturally and to improve Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Malang regency environment quality. Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijava Repository ository Universitas Brawijava Repository Universitas Brawijava Repository Arable and permanent crop land indicator is stated as the sum of arable land and ository Universitas Brawijaya Repository Randomber permanenticrop. Arable land is the land lunder temporary crops, meadows for Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository pasture or mowing, land under market and kitchen gardens, and land temporarily fallow (for Repository Fless than five years). Then land under permanent crops is the area cultivated with crops that Repository Repository Universitas Brawijava Repository Repository Universitas Brawijaya oppress the land for long periods and need not to be replanted after each harvest. This repository available for agricultural production and inters Repository indicator demonstrates the amount of land Repository Universitas Brawijava Repository Universitas Brawijaya Repository Ralia the cropland area available for food production 16 itory Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ¹⁶ Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies –Third edition, Repository Research United Nation 2007as Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repositive Arable and permanent icropaland ratio of the coastal areas in Malangi regency Repository Repository show 31.73% of the agriculture lands located in coastal areas. This figure has Repository Rincreased by an average performance/index of 0.09%Oit implied that the increased in the Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya ware higher than in other Malang regency regions Repository use of land for agriculture in coastal areas Reposithe ratio between arable and permanent crop land with land area in both coastal and Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Malang regency showed that the agricultural sector was one of the leading sectors in Malang epository Regency. It also indicated the extent of agricultural activities pressure on the land use in Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository RMalang Regenshiversitas Brawijaya Repository Universitas Brawijaya Repository by agricultural activities, Malang regency Repository Rep OSITO reduce environmental pressure Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Reovernment/should-optimize the agricultural land; it call be done by Bingreasing the Repository Repository of agricultural land with agricultural intensification and modernization of existing Repository Repository Rsystemisory Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository PCP Proportion of fish stocks within their safe biological limitsersitas Brawijaya Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Repositive Percentage of fish stocks exploited within their level of maximum biological Repository the state of fishery resources exploitation in the Repository productivity indicator provides information on Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rarea. This indicator will show an essential indication for policy making related to sustainable Repository management of fish stocks in the national level, regionally and at the global level. With the Repository Rebjectives to Inaximize sustainable production from captule fisheries and contribute to Repository increase food security, so this indicator Repository Universitas Brawijaya should be close to a value 100% of fish stocks Repository Repository Universitas Brawijaya Rexploited within their safe biological limits¹⁷. Repository ository Universitas Brawijaya Repository Universitas Brawijaya Repository Based on the research that conducted by Ministry of Marine Affairs and Fisheries Repository Repository Universitas Brawijava Rep R(called DKP) and Malang Muhammadiah University (called UMM) in 2002, the Maximum Repository Repository Universitas Brawijava Repository Repository Universitas Brawijava fisheries sector was 26,066.19 tons/year. MSY Repository Sustainable Yield (MSY) of Malang regency can be used as biological safety limit measure for fisheries resource. In 2003, the fisheries Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Reatchment in coastal areas was 7,427,13 tors or 28,49% of the MSY. The number rose to Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ¹⁷ Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies –Third edition, Repository Reage 1801 United Nation, 2007as Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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OSITO	R9.225.38 tons (24.21%) or 35.39% of the MSY	m2008 While th	re enumber of fish catches i	nRepository
REPO	Malang regency in the year 2003 was 8 739 78	epository Uni	versitas Brawijava ISY, and it increased 7.949	Repository
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A	to 9433.58 tons (36.19% MSY) in 2008. The	eaverage perion	mance index of catchmer	Repository
A	fisheries activity in coastal areas were 16.41%	and Malang reger	ncv was 5.32%. Most of th	Repository
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SIT S	fish production in Malang Regency carried out in	om the coastal ar	rea (93.79%). awijaya	Repository
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9	Reposition Performance Index, 0 10.93	11.49 20.78	31.03 24.21 16.4	Repository
18. AC.	Malang Regency 8,739.78 8,740.77 ReD0% 60/VSY (26066/198 66) Vear b 233,63 V 2 33,53	8,940.64 9,283.67 20343001/35.62	10,087.39 9,433.58 99,204.3 Ver38.70 6 536.19/12/35.3	Repository
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IAS	RMalangtoregenbyiveralsesdemonstrated that	eipchaisopigUpot	tential for fisheries secto	Repository
ll SS	Repository Universitas Brawijava development in Malang regency. The potential	epository Uni	versitas Brawijava	Repository
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S	Reprint developed such as tuna and skipjack, which	hcatso has high i	economic value. The othe	Repository
	fisheries business potential to be developed is a	epository Uni quaculture such a	versitas Brawijaya as shrimp, freshwater fishe	Repository
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	Pand ornamental fishes: So, the fisheries sector	development can	We done either by onshor	Percepository
	fishery or offshore fisheries.	epository Uni	versitas Drawijaya	Repusitory
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	Rcapital and markets access and the infrastru	cture developme	ent to support the fishery	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository RD.0 Environment Factor Reflormancea Repository Universitas Brawijaya Repository epository Universitas Braw ositorv Repository Rep From the three environmental indicators used in this study, there were two positive Repository Rindicators and a negative andicator on the engronmient ythen positive and izatais livere the Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository percentage of forest area to land area, and the proportion of fish stocks within safe biological repository Rimits The increased of these indicators showed the environmental quality improvement of Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya the areas. While arable and permanent crop land area was the negative indicator, because repository Pits increased indicated not only the nigher pressure on the environment but it also mean the Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Reclining of environment quality Fisheries sector activities in Malang regency, although can repository also indicate the pressure on fisheries resources in the region but the results were still small Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rand below the biological safety limit, so, it still gave availability and possibility to the fisheries Repository resources for breeding. Repository Universitas Brawijaya Repository as Brawijava Repository Universitas Brawijaya Repository Repository Univers Brawilava Reposiunderstandingshe two natures of the environmental indicators were very important Repository Repository Universitas Brawijava Repository Universitas Brawijava for proper calculation of the environmental factor's development performance. Repository Universitas Brawijava Repository TheRepository Renvironmental factor's performance is calculated by averaging the sum of forest growth and Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository fisheries activity growth reduced by the agricultural area growth. The calculation results repository Pshowed that the aggregated of environmental factors development performance in MalangRepository Repository Universitas Brawijaya Repository Universitas Brawijava Repository regency (25.46%) was better than in coastal areas (12.5%). Malang regency's performance epository was caused by the dramatically forest area increased in 2004 and 2005 periods due to the Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rchange of the definition of forest area. Agricultural activities in MalangPregency which Repository can be considered as one of the development Repository showed the increasing intensity and trend Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Ractivities pressures on the environment, a Repository Repository on the state of the development activities and environmental protection can Repository of the development activities and environmental protection can Repository Repository Recidence with spatial planning, Malang/regency has a docal regulation anniber with of 2003 Repository Repository Universitas Brawijava Spatial planning aims to achieve a successfully Repository concerning Spatial Plan of Malang Regency. and able to support sustainable environmental Repository space utilization with effective and efficient, Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Its importance must be evaluated in relation	to other factors affecting sustainability. Rapi	Repository Repository
Poopulation growth can create a pressure on a	Country's capacity for handling a wide range of	Repository
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issues of economic, environmental and	social significance, particularly when rapi	Repositorv
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ecologically vulnerable zones or with unsusta	inable patterns of production and consumption	Repository
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Rover deaths) in urban areas as well as migra	ation from rural to urban areas, and the chang	Repository
of rural settlements into urban places. The p	ace and scale of this growth continues to crat	Repository
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environments remain critical issues on the in	ternational development agenda. Although run	Repository
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æ	been high increased in many developing co	untries, particularly in Africa and Asia. In settings	r J
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5 📫	Recosystem pressure, and it also tells a cru	icial component of vulnerability to sea-level rise Repositor	ļ
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U	Rand other coastal hazards Because of the	economic benefits that accumulate from coastal Repositor	ý
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	change and introduction of invasive spe	cies. These pressures can direct to loss of	Ÿ.
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	biodiversity, coral reef bleaching, new disea	ses among the organisms, harmful algal blooms, COOSITON	1
2	hypoxia, reduced water guality, siltation, an	d a threat to human health through toxins in fish	V.
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RS S	and shellfish and pathogens such as cho	lera and hepatitis A residing in polluted water. Coposition	/
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reposite 2003, the population living in coastal areas was 401,338 and the Whole population Repository Repository of Malang regency was 2,264,757 people. 2008, the coastal area population became Repository R434,179 or it has are increased 8:18% from 2003: Meanwhile Malang regency population was Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository compared the population of coastal and Malang 2,401,572 or an increased 6.04%. When The average performance index of the coasta Repository regency, the average ratio was 17.39%. Repository Universitas Brawijava Repository Universitas Brawijaya Repository areas population was 2.28% and the Malang regency population was 4.29%. The data epository Pinformed the population concentration in Malang regency was not at coastal areas, and the Repository Repository Repository Universitas Brawijava Repository Universitas Brawijava coastal areas population growth was lower than the other Malang regencys Brawilava Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Republication Against Infections Child Road Diseases Universitas Brawijava Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository This indicator measures the implementation of immunization programs. The research Repository Ruses the proportion of infant immunized against dipathena, pertussis, tetanus, polionyelitis, Repository Repository Universitas Brawijava Repository Repository Universitas Brawijaya tuberculosis, measles, and hepatitis B before their first birthday as a health awareness epository indicator tool. Sustainable development and Health are intimately interconnected Both Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Rinappropriate and inadequate development can guide to severe health problems in both epository developed and developing countries. Addressing basic health needs is fundamental to the Repository Repository Repository Universitas Brawijava Repository Universitas Brawijaya Rsustainable development achievement. Particularly relevant is the provision of preventative Repository programs aimed at protecting vulnerable groups and controlling communicable diseases. Repository Repository Repository Record management of simmunization program is rescential, to the reduction of morbidity and Repository Repository Universitas Brawijaya Repository diseases. It is a necessary unit of government Repository Universitas Brawijaya Repository mortality from serious childhood infectious Represitivent to preventative realth services²⁰ Repository Universitas Brawijaya Repository (99.34%) in coastal areas had recei Repository Universitas Brawijava In 2003, 6.826 of 6.871 infants Repository received Repository Rimmunizations. In 2008, the Infant riumber increased to 6,914 but who had immunized only Repository Repository Repository Universitas Brawijava Repository Universitas Brawijava 6,174 or 89.31% of the total infants. It demonstrated the declining of the immunization repository Rearticipation and provision in the waster region epository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ²⁰Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies -Third edition, Repository Resects it nited Nation 2007 tas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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4	were 38,429 infants or 98.53% in 2003. The	e 2008 condition showed an increase of the infar	Renository
	Rnumber to be 41,219 and 93.87% of them	or 38.691 infants have already immunized. There	Renository
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ZIT/	was a phenomenon with increasing of the i	infants average performance index as 8.51%, bu	Repository
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	average ratio was about 18.48%, and its a	average performance index was 4.90%. While the	Repository
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	Regency (12, 19%), dhist problem needs to	urther attention from the Malang regency loca	Repository
4	government to give more effort and improve	e the public nealth quality of in the region. Severa	Repository
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rop Adutr Secondary Schooling Attainmen Revelsitory Universitas Brawijaya Repository Repository Rec osi Adult secondary schooling attainmen level explained the proportion of the working Repository Rec ositorv Page population which has completed at least (upper) secondary education This indicator epository Repository Universitas Brawijaya Repository Repository Universitas Brawija stock within the adult working age population. For Repository measures the quality of the human capital Rinstance, those who have accomplished upper secondary education can be expected either Repository Repository Universitas Brawijava Repository Universitas Brawilaya Repository to maintain a decent set of skills relevant to the labor market or to have showed the ability to repository acquire such skills. Education is a process by which numan beings achieve their fullest Repository Repository Universitas Brawijava Repository Repository Universitas Brawijava Reportential. It is essential for communicating and promoting sustainable development and Repository Repository improving the people capacity to address environment and development issues. Universitas Brawijaya Universitas Brawijava Repository Repository Repository Recelerates, the achievemen Bof ethical and Penvironmental awareness, svalues, and skills Repository reliable with sustainable development and effective public participation in decision-making..²¹ Repository Repository Repositive 2003 data was not available on this indicator, so the analysis will be conducted Repository population that had completed secondary level from 2004 to 2008. In 2004, the coastal Repository Repository of 368,090 people from the working age revel Repository Reducation as many as 47,370 (12.87%) Repository Universitas Brawijaya population. This number increased to be 58,783 (18,80%) of 312,698 people at 2008. In Repository Receased areas, there was a positive trend of the population that received their secondary Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository education level (12.09%) but there was a decreased trend of the working age population epository Repository Linixersitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository education level ratio was 12.098% or 236,480 Repository Repos Malang regency adult secondary in Repository people obtained secondary-level ecucated from its 1,956,057 working age population, Repository Universitas Brawijaya Repository Repository Universitas Brawijaya with the secondary education level of 338 120 Repository 2004. This ratio became 18 79% in 2008, people and the 1,799,327 working age population. The same phenomenon was also seen in Repository RMalang regency that the secondary education level population tend to increased as 27:21% Repository itory Universitas Brawijaya The Phenomenon happened because Repository but the working age population declined as Universitas Pthe working age population who has secondary education level tended to move to other Repository Repository Universitas Brawijaya Repository Universitas Brawijava Repository region in order to get better occupation. Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ²⁰ Methodology sheets, indicators of Sustainable Development: Guidelines and Methodologies –Third edition, Repository Resease it inited Nation 2007 (as Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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4	negative indicator. The positive indicators	are immunization against infectious childhood	Depository
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	improvement of its social conditions. Then	the negative indicator is population growth whicl	Repusitory
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≩ 🛃	it tended to give more pressure to the social	al condition and development. From the analysi	Popository
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Rot three indicators of social factor/developr	ment-which give the coastal areas' social facto	rsRepository
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Rwasolower (4.60%) than the performance	oRMalangi regency (6:73%): Indeed, all of th	Repository
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Recoastal area social indicators performance	s were below the other ivialiang regency region	Repository
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(26.11%), followed by population growth's	performance (2.28%) and the lowest was th	Repository
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Rimmunization against childhood diseases	performance (-5.61%). The negative result	orRepository
immunization again chilohood diseases per	formance indicated declining public awareness	toRepository
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Rigmunize their intents it is needs to be ad	ddressed simmediately, by socialization jof vinta	ntRepository
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Fregency government has to deal with the i	improvement of working age-declining/trend th	atRepository
indicated highly educated population's disp	lacement to another area. It should be solved l	Repository
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continuing efforts to produce more educate	ed people and providing good local employme	ntepository
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(EPOS	people, and the economic loss was Rp. 12	2.77 billion. Most of the losses were suffered by	Repository
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SI SI	preparation of its local government and its p	opulation to against the natural disasters.	Repository
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Gast	B. Government Officer Capacity	Repository Universitas Drawijaya	Repository
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	government officers' capacity. The gove	rnment officers' capacity calculated from two	Repository
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TOR	will be calculated from the ratio of governme	ent officer to its population. With a good ratio, we	Repository
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	Rother hand, too many government officers	are also not efficient because is would cost the	Repository
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Government officers who have higher education levels should have a better proficiency level in completing the tasks assigned to them. Maline affair and fisheries agency officers were 67 people which 29 people (43.28 %) have already achieved their secondary education level. The average ratio of secondary education level officers in maline affair and fisheries agency was 52.70% and its average performance officers were 17,426 and the secondary education level officers were 12,358 people, so the peository Universitas Brawijaya Repository Universitas Brawijaya	Repo	sitory Universitas	s Brawi	iava I	Reposit	orv Uni	versitas	Brawi	iava	Reposito
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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ReposiTheyhigheisterconomic factori performance occurred in 2007 (51:18%) driven by the Repository ersitas Bra versitas Br Repository 5.79%) and GRDP employment-population ratio performance RDP per capita performance Repository R(86.56%)) While the lowest economic factor performance was 30.3% and it happened in Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 2004. Its performance value is derived from the fishery's sector GRDP performance ofRepository 62.89% and the decrease of the employment-population ratio as 2.84%. Nevertheless, the Repository Repository Universitas Brawijava Repository Universitas Brawilava Repository economic development of Malang regency coastal area has a big potency to be developed epository more. GRDP performance of the fishery's sector grew very high with an average of 70.68% Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Rand the fishery's catchment performance which reached 16.41%. If we compare the fisheries Repository sector GRDP and the fishery's catchment performance, we can find an increase in economic Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijava Rvalue of fishery's products. The fishery product's value has increased from Rp 2,908,276/ kgRepository (2003) to Rp 4,800 / kg (2008). Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Repository Universitas Brawilava Repositive environment factor development achieved the highest levels of growth in 2007 Repository as 19.13% and the lowest in 2004 (6.68%) Repository Universitas Brawijaya Repository The most influenced Indicator of environment Repository Rectorsperformance was the forest-land area ratio (30.71%). This indicate Bwas a positive Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository indicator, where its performance can increase environmental quality. Data from 2003 to 2008 epository Pshowed the low levels of environment development performance in Malang regency coastal Repository Repository Universitas Brawiiava Repository Repository Universitas Brawijava areas compared to Malang regency. The environmental development still needs to be done epository such as by adding a lot of forest area and the optimization of agricultural land. With the Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Recoastal area of 103 218 ha in 2008 and the present forest area of 27,351 ha it would require Repository additional area of 3,614 ha of forest area to be 30,965 ha for fulfilling with existing Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Regulations, While theit optimization of a gricultural land beeds to the Bonewsiace the Repository agricultural sector is still the leading sector in Malang regency, and there is a trend of the Repository Rincreasing agricultural sands Optimization is done by increased the productivity of agricultural Repository Repository Universitas Brawijava Repository modernization of existing systems. Aquaculture Repository land with agricultural intensification and Revelopment could be considered also as one of the strategies to reduce pressure on fishery Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository resources from catchment fishing activities. The development of aquaculture should be Repository Repository Relieved to the environment characteristic of Malang regency coastal areas. Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository





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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Reoversiment officer capacity did not mean the weakening of government officer service. This Repository Inre Repository problem did not always have to be solved the addition of the government personnel Repository Rotticers, buy also can be tackled by improving the quality of the existing government officer. Repository Repository Universitas Brawijay Repository Universitas Brawijaya Repository such as through training and capacity building programs. Universitas Brawijava Repository Repositingeneral, the laggregated development performance of Malang Regency coastal Repository Repository Universitas Brawilava Repository Universitas Brawijava Repository area experienced an average performance of 20.49%. The best development performance epository of the coastal was 29.23% in 2007 and the lowest was 19.20% in 2004. The biggest growth COOSILOTY Repository Universitas Brawijava Repository Universitas Brawijava Repository Rin 2007 was influenced by the high economic factor's growth (51,18%) and the lowest growth Repository in 2004 due to declining social factor performance (-1.18%). The greatest indicator's value Repository Repository Repository Universitas Brawilava Repository Universitas Brawijaya Rchange was the human and economic loss due to natural hazard in 2006 (99.75%) and the Repository lowest was the government officers' capacity ratio in 2008, which declined -41.50%. Repository Repository Repository ReposiOn the other sides Matangi regency Paverage to evelopment performance inchieved Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 19.48%. The Malang regency development factors performed better on the social Repository Repository Universitas Brawijaya Renvironment and institutional factors, so the better performance of the coastal areas was Repository Repository Universitas Brawijaya Repository or growth. It indicates the coastal area has Repository Repository Universitas Brawijava supported by its significant economic factor growth. Reconsilie development patency to be developed more tory Universitas Brawijaya Repository Repository Repository Universitas Brawii Re Iniversitas Brawii Repository Universitas Brawijay Repository Universitas Brawiiava Repository Reposi tory Universitas Repository Universitas Repository Brawila Repository Universitas Brawijava Rep tony Universitas Repository 805 Repository Universitas Brawijava Repository Universitas Repository Repository Universitas Brawijaya Repository Universitas Brawijay Repository Repository Universitas Repository Universitas Brawijava Repository Repository Universitas Repository Universitas Brawijava Repository Repository Universitas Brawijav Repository Universitas Brawijaya Repository Repository Universitas Universitas Brawijaya Repository Repository Universit Brawijava Repository Universitas Brawijaya Repository Repository Univ Repository Universitas Brawijaya Repository sitas Brawi Universitas Brawijava Repository Un versitas Brawijava Repository Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Remacing Recenciversitas Brawijava Repository Universitas-Roastajarea Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository R Figure 4.6. The Development Performance Comparison of Malang Regency and its Coastal Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository ARepository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rep(3) The Malarig Regency Coastal Area Social Factor Performances it as Brawija ya Repository Repository Rer The Social factor development showed performance of 4.60%. Repository Rep Repositingnest performance in 2007 (10.75%) and the lowest performance in 2005 (21,89%). Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya performance was the adult secondary education Repository The highest level of social indicators Rep Reposi(26.11%), tollowed by population growth's performance (2.28%) and the lowest was Repository Repository Universitas Brawilava Repository Repository Universitas Brawilava Reposithe immunization against childhood diseases' performance (-5.67%) The population Repository Reposigrowth reflected a more pressure for the social and environment development. The Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository Reposinegative result of immunization against childhood diseases performance indicated Repository inize their infants, or in general, it shows the Repository osideclining public awareness to imr Rep Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Reposideclining public aware resultion the althe pository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rep(4) The Malang Regency Coastal Area Institutional Factor Performance. Brawila va Repository Repositive Institutional factor performance index was 30.80%. The highest institutional Repository Repository Repository Universitas Repository Universitas Brawijava Brawijava Repositator performance was occurred in 2006 (41 47%), and the lowest was 27.94% in Repository 2008. Human and economic loss Repository Re due to Natural Hazards indicator decreased Repository Repository Universitas Brawijaya Universitas (epository brawijaya Reposi 81.23% and the government officerse capacity also declined as 19.62% The Repository ository Un Repository Ret due to Natural Hazards indicator has declining of human and economic loss Repository Rec Repositive meaning it showed the declining of the human and economic loss, and it also Repository Repository Universitas Brawijava Repository Universitas Brawijaya Repository os indicated the better preparation of its local government and its population to against Repository Rec Repositional Individualities. Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rep(5) ithe Development Performance and Development Phase of Coastal area and Malang Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Oniversitas Brawijaya Repository Universitas Brawijaya Repository ReposiFrom 2003 to 2008, the aggregated development performance of coastal areas was Repository Repository Universitas Brawilava Repository Universitas Brawijava Repository wase19.48%, That means the development Repository Reposi20.49%, and Malang regency Reposiperformance of coastal areas was slightly better than Malang regency. The Malang Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repositegency coastal area's development performance was influenced by economic factor Repository Repository performance (34.08%) that supported by GRDP per capita (66.39%). The GRDP per Repository Repository Chicken and Repository Chi Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Rep 6s Malang regency also has to give more concerns to social factor development. From Repository ository Universitas Brav Repository Rep the research, it showed that the of indicators social factor performances Repository Repository Reposidevelopment were still ow level, and it happened in most of the Malang regency sub-Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repos Malang regency government has to deal with the improvement of adult secondary Repository Repository Universitas Brawilava Repository Universitas Brawilava Repository Reposteducation level, and immunization against childhood diseases' infection. The problem repository Reposiof highly educated population's displacement to another area should be solved by Repository Repository Universitas Brawijava Repository Universitas Brawijava Repository Reposicontinuing efforts to produce more educated people, and providing reliable local Repository Reposiemployment opportunity for them. The downward trend of immunization participation Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Reposineeds to be addressed immediately by socialization of infant immunization, and even Repository Repository Universitas Brawijava providing tree immunizations to raise awareness and attract more people. Repository Universitas Brawijava Repository Repository Repository Universitas Brawijaya Rep & in the institutional factor performance the shuman and economic loss shows a Repository Repository Universitas Brawijay Repository Universitas Brawija Repository Repository decrease in the number of casualties and losses caused by natural disasters. It can Reposiportray the level of preparedness of communities and local governments to handle aRepository BRAWIJA Repository Universitas Brawijava Repository Universitas Brawijava Repository Reposition disaster that happened in its territory. The negative result of the government officer Repository Reposicapacity did not expect the weakening of the government officer service. This Repository Repository Repository Universitas Brawijava Repository Universitas Brawiiava by the addition of the government recruitment repository Reposiproblem could not be solved only Reposiofficers, but also can be tackled by improving the quality of the existing government Repository Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repos officer, such as through training and capacity building programs, as Brawijava Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository BRAWIJAYA Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository Universitas Brawijaya Repository

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