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Repository Disaster Management becomes very urgent caused by it has Repositstrategic values in connection with natural disaster that much happen recently. One part of disaster management that becomes very important is preparedness because it is this part will determine the consequences when a disaster happened. Preparedness can be translated as an activity Reposit that done before disaster happens that aim to minimize losses. This may be the main aim of disaster management as well.

This report was entitled "Implementation of disaster management in

This report was entitled "Implementation of disaster management in Padang city". The aim of the research is to detect and to describe the disaster management by Padang Local Government dealing with natural disaster and its problems. Data used in this analysis were primary and secondary one. The primary data was processed by the observation result and interviewing the apparatus of Padang City, non government organization (NGO) that related to disaster management activity and society of Padang City. The secondary data were got from Padang Local Government and from national and international NGO.

Most of the disasters in Indonesia are natural while in some cases, the occurrence of these disasters is aggravated by the people's inability to eliminate potential hazards or prevent these hazards from emerging. But as complex as the causes might be, concern toward disaster should be focused more on the impact and how to manage it.

A top-down approach in viewing disaster management tends to overlook local resources that may have the potential to build a disaster

overlook local resources that may have the potential to build a disaster prevention or recovery program. But in some cases, this kind of approach also increases the vulnerability of local people to disaster risks. Such gaps in disaster management efforts serve as lessons in creating a new and better approach. After evaluating several possibilities, experts in the field concluded that a new risk management program must have more opportunities to involve local people. In creating bigger roles for the people, the new approach shall be community-based and will focus on ways to encourage and invite more active participation from the members of the community to propose ideas in the planning, implementation, and evaluation of the program. Stakeholders at various levels, including the government, will work in a single, coordinated effort.

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya To make the system effective, the development of local response capability has to be addressed with same level of commitment and investment provided to the development of the technological components. Human capacities at all levels need to be developed to increase the institutional response capability at the local level. To build a common understanding of the system and to encourage all actors to accept and play their respective roles, the provision of sufficient funding, adequate capacity development and instructive guidelines is essential. Developing Reposit these guidelines is a multi-stakeholder task. Only a joint learning process can lead to a tailor-made warning chain and public outreach strategies that Repositreally laddress the needs of the community laterisks Results and process need to be systematized and Repository Universitas Brawijaya Repository Universitas Brawijaya

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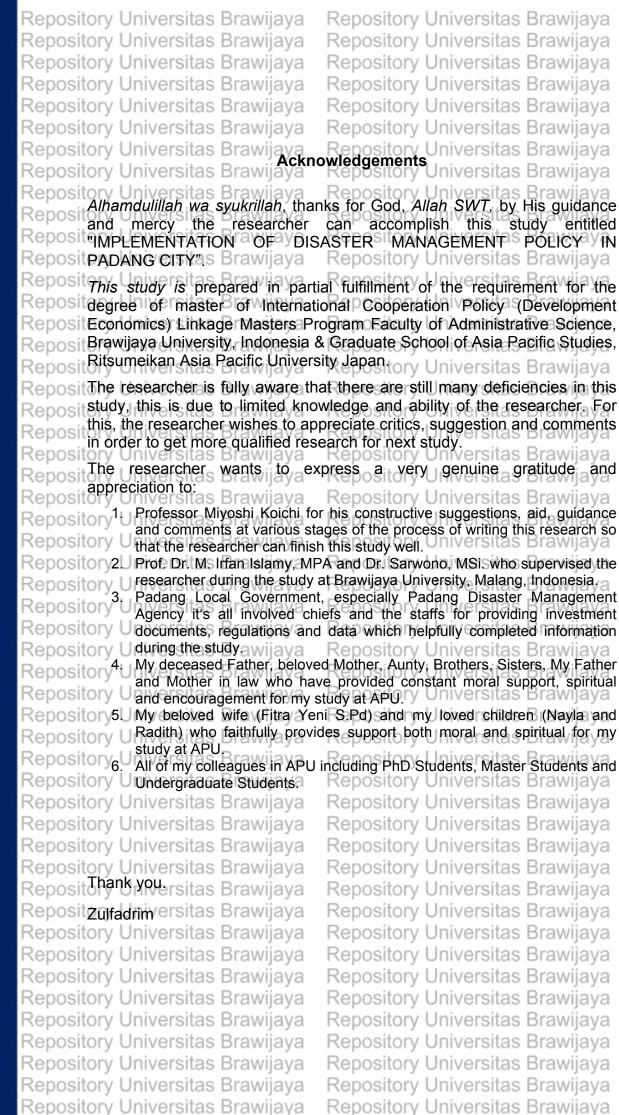
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Repository Universitas Brawijaya Repository Universitas Brawijay INTRODUCTION Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit 1.1 Background of the study Repository Universitas Brawijaya Repository Universitas Brawijaya Related to the disaster Repository Universitas Brawijaya Repositespecially in Padang city, the local government had legalized local government Repository Universitas Brawija regulation (Perda No 3 Tahun 2008). Reposit government has an obligation to implementing pro-active approach and re-active Repository Universitas Brawijaya Reposit approach as well. However in the practice there are no serious efforts undertaken Reposit by the government in order to minimize loss and damage if natural disasters Repository Universitas Brawijaya Repositoccur. In response to the previous experiences, now both pro-active and re-active approaches should be implemented in West Sumatra, especially in the city of Repository Universitas Brawijaya Reposit Padang: To implementing the approach, mapping of vulnerable areas and remodeling of City Spatial assess should be done. The risk is assessed based on Reposit two aspects: the hazard and vulnerability, while the danger is defined as the probability of occurrence of natural events and vulnerability as un-preparedness Reposition disaster and its consequences (Merz et al., 2006; Oosterberg et al., 2005). Repository Universitas Brawijava RepositZoning serves as a guide of new Reposit efforts are also given much emphasis. It becomes one of the main considerations Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya epository Universitas Brawijaya Repository Universitas Brawii ava management approach in West Sumatera epository Universitas Brawijava 8). Based on this regulation the local Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya development. At the same time, pro-active Repository Universitas Brawijaya Repositin the new Draft Spatial Plan for Padang city from 2010 to 2015. In the draft plan says that Padang will be planned and redeveloped based on the existing values, Repository Universitas Brawijaya Reposit norms, and natural disaster mitigation to minimize the risk on the future. The community will be given chance to Repository Universitas Brawijaya participate in the planning process directly. Repository Universitas Brawijaya Reposi Planning Scenario will complete in 2010. Related to this planning program this Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya legal integrated policy to handle Repository Universitas Brawijaya disaster and refugees (sort of disaster Repository Universitas Brawijaya Reposit Reposit management act). But in fact it has not been implemented consistently. We still Repository Universitas Brawijava Repository Universitas Brawijay Repositive many examples which are related to the lack of profesionlism in disaster Repository Universitas Brawijaya Repositmanadementsitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Regarding disaster management as a community interest, we expect the Reposit reduction of life and property lost. The most important thing of disaster Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi management is a concrete step in controlling disaster, so we hope the victims can be saved quickly and precisely. And post-disaster recovery efforts can be Repository Universitas Brawijaya Repository Universitas Brawijaya Repositione as soon as possible. Control begins by developing critical community and government awareness over natural disaster issue, creating a total improvement Repository Universitas Brawijaya Reposit process, affirmation of the inception of local policy which relies on local wisdom in Repository Universitas Brawijaya the form of village rules and regulations over disaster management. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository After Aceh tsunami on 2006, there is a shift in Indonesia's disaster Reposit management policy. Before Aceh tsunami, disaster management only gets a little Repository Universitas Brawijaya Repository Universitas Brawijaya Repositattention and it is focus more on the re-active approach. The pro-active approach Reposit is only gets a little attention and even often neglected by the government. The old Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Act on Spatial Planning (UU No. 24/1992) mentions almost everything about Reposition disaster management as a part of planning process. After the Aceh tsunami, Act Reposition Disaster Management, new Act on Spatial Planning (UU No. 26/2007), are legalized with more emphasis on disaster management. As a consequence, the Repositiontent of disaster management in the provincial, municipal, and regency spatial plan is also changed. In regards to the statements above, this research is Reposit developed with the guidance of six questions tory Universitas Brawijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya How does the Approach and Repository Universitas Brawijaya Repository *Radang citi*kas Brawijaya Repository Universitas Brawijaya Repositor, How does the implementation of Disaster Management Policy in Padang city Repository Universitas Brawijaya Repository management policy in Padang city epository Universitas Brawijaya Repository Universitas Brawijaya Repository Padang city as Brawijaya Repository Universitas Brawijaya Repository policy in Padang city wija va Repository Universitas Brawijaya Repository Universitas Brawijaya Repositus/ Purpose of Studyawijaya Repository Universitas Brawijaya This research study deals Repository Universitas Brawijaya Repository Universitas Brawijaya three major purposes, namely: Repository1. The implementation of disaster management policy in Padang city. Jaya Repository Universitas Brawijava Repository<sup>2</sup> The interaction between Repository Umanagement policy jaya Repository Universitas Brawijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya framework of Disaster Management Policy in Repository Universitas Brawijaya Repository Universitas Brawijaya Reposits by How the interaction between the main actors in implementing disaster Repository Universitas Brawijaya Reposit4. What are the keys Program in Implementing Disaster Management Policy in Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit 5.19 What are the constraining factor in implementing disaster management Repository Universitas Brawijaya primarily with Disaster Management policy in Reposit Padang city. The research aims at finding, identifying, analyzing and interpreting Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava the main actors in Implementing disaster Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor 3. The constraining and supporting factor in implementing disaster Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository The research findings are meant to give some contribution to government Repository U to issue a better program, in this case, dealing with the implementation Repository Universitas Brawijaya Repository U disaster management policy in future. With this paper, the government is Repository Uexpected to be able to conduct carefully regarding disaster management Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Until research findings can be given information to the people who Repository Universitas Brawijaya Repository Uinterested in study in public administration concerning in disaster Repository Umanagement and public policy After finishing this research, the author Repository Universitas Brawijava Repository Ucan give sthe ainformation Rabout the implementation Bof disaster Repository U management policy and the factors which influence the implementation of Repository Universitas Brawijaya Repository Uthe policy. This research also can be used as a source for the other Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repositery Leublic Policy Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository The subject matter of public policy have been defined or attempted by Repositivarious scholars using different analytical frameworks. Thomas Dye (1972), as Repository Universitas Brawijaya Repository Universitas Brawijaya Repositcited by Howlett and Ramesh (1995), offers a definition of public policy, describing it as anything a government chooses to do or not to do. This definition Repository Universitas Brawijaya Repository Universitas Brawijaya Repositis perhaps too simple and fails to provide the means for conceptualizing public v Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya as a choice, William Jenkins (1978) views Repository Universitas Brawijaya Repository Unlike Dye who defines it Reposit public policy-making as a process. According to him, public policy is defined as a Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit set of interrelated decisions taken by a political actor or group of actors Reposit concerning the selection of goals and the means of achieving them within a Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit specified situation where those decisions should, in principle, be within the power of those actors to achieve. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawija Contributing to the explanatory efforts on the subject - matter of public Reposition, James Anderson (1984) offers a more generic definition. He described Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit public policy as a purposive course of action followed by an actor or a set of Reposit actors in dealing with a problem or matter of concern. Anderson's definition notes Repository Universitas Brawijaya Repository Universitas Brawijaya Reposithat policy decisions are often taken by sets of actors, rather than a sole set or Repositactor, within a government. It also highlights the link between government action Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit and the perception, real or otherwise, of the existence of a problem or concern Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U In the public policy process, Howlett and Ramesh (1995) argued that both Repository Universitas Brawijaya Repositions and institutions play a critical role, even thought one may be more Repositimportant than the other in specific instances. Individuals, groups, classes, and Repository Universitas Brawijaya Reposit states participating in the policy process no doubt have their own interests, but Reposit the manner in which they interpret and pursue their interests, and the outcomes Repository Universitas Brawijaya Repositof their efforts are shaped by institutional factors y Universitas Brawijaya Repository Universitas Brawijaya Repository U Harold Lasswell ((1956) as cited by Howlett and Ramesh (1995), has proposed the idea to simplify the complexity of public policy-making by breaking Reposit the policy-making process down into a number of discrete stages. He divided the intelligence, 2) promotion, 3) prescription, 4) Repositinvocation, 5) application, 6) termination, and 7) appraisal. According him, the Repository Universitas Brawijaya Reposit seven stages described not only how public policies were actually made, but also Repository Universitas Brawijaya Repository Universitas Brawijaya Furthermore, James Anderson (1975) has developed the policy process Reposithat can be divided into a series of stages: agenda setting, policy formulation and legitimation, implementation, and evaluation. Agenda setting refers to process by Reposit which problems come to the attention of governments, policy formulation and Repository Universitas Brawiia legitimation refers to the process by which policy options are formulated within Reposit government and then government adopt a particular course of action or non Repository Universitas Brawijava Repository Universitas Brawijaya action, policy implementation refers to the process by which government put policies into effect, and policy evaluation refers to the processes by which the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit results of policies are monitored by both state and social actors as Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Ulrivhissibook Radding Public Policy, Howlet and Rameshvi (1995) Repository Universitas Brawijaya Repository

Repository Universitas Brawijaya mentioned 5 (five) actors participating in the policy process: elected officials, Reposit appointed officials, interest groups, research organizations, and mass media. The Renository Universitas Brawijaya sitory Universitas Bra elected official may be divided into two categories, member of the executive and Reposithe legislature. The executive is one of the key players in the policy sub system. Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Its central role derives from its constitutional authority to govern the country. On Reposit the other hand, the task of the legislature is to hold governments accountable to Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit the public rather than to make or implement policies Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U The appointed officials dealing with public policy and administration are often collectively referred to as the bureaucracy. Their function is to assist the Reposit executive in the performance of its tasks, as is suggested by the terms civil Repository Universitas Brawijava Repository Universitas Brawija servants or public servants used to describe them. The realities of modern Reposition politics enable interest groups to play a significant role in the policy process. One Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit of the most important resources of interest groups is knowledge: specifically Repositinformation that may be unavailable or less available to others las Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Another significant set of Repository Universitas Brawijaya societal actors in the policy process is Repository Universitas Brawijaya Reposition composed of the researchers working at universities and think tanks. They often Repository theoretical and philosophical interests in public problems that may not lead Reposito research results that can be translated into usable knowledge for policy Repository Universitas Brawijaya Repository Universitas Brawijay purposes. And the last, the role of the mass media in the policy process lies in Reposit the fact that in reporting problems they combine the roles of passive reporter with Repository Universitas Brawijaya Repository Universitas Brawijaya Repositactive analyst as well as an advocate of a solution. Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U in dealing with a policy problem, the variety of instruments (also called Repository policy tools or governing instruments) used by policy makers was identified and Repository universitas Brawijaya Reposit classifies them into meaningful categories. According Howlett and Ramesh Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya R One of the most influential Repository Universitas Brawijaya R definitions of implementations is that positions of implementations is that positions in the position of the positions of the Reposit formulated by Mazmanian and Sabatier (1983), as cited by Hill and Hupe (2002). Repository Universitas Brawijava They said that Implementation is the carrying out of a basic policy decision, Repositusually incorporated in a statute but which can also take the form of important Repository Universitas Brawijava Repository Universitas Brawijava executive orders or court decisions. Ideally, that decision identifies the problems Reposit to be addressed, stipulates the objectives to be pursued, and in a variety of ways, Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi structures the implementation process. The process normally runs through a number of stages beginning with passage of the basic statute, followed by the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit policy outputs (decisions) of the implementing agencies, the compliance of target groups with those decisions, the actual impacts -both intended and unintended-Reposit of those outputs, the perceived impacts of agency decisions, and finally, tory Universitas Brawijaya Repository Universitas Brawijaya important revisions (or attempted revisions) in the basic statute. Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository The three generations of implementation research has been proposed by Reposit TA. Birkland (2006). These generations can be subdivided into three distinct Repository Universitas Brawijaya Repository Universitas Brawijaya theoretical approaches to the study of implementation top-down theories, bottomup theories, and hybrid theories. Top-down models put their main emphasis on Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi the ability of decision makers' to produce unequivocal policy objectives and on controlling the implementation stage. Bottom-up critiques view local bureaucrats Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit as the main actors in policy delivery and conceive of implementation as negotiation processes within networks of implementers. Hybrid theories try to Repositovercome the divide between the others two approaches by incorporating elements of top-down, bottom-up and other theoretical models. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UAs the core authors of the top-down approach, Sabatier and Mazmanian Reposit (1979) argued that there are six criteria for effective implementation: 1) policy Universitas Brawijaya Reposition objectives are clear and consistent, 2) the program is based on a valid causal Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya theory, 3) the implementation process is structured adequately, 4) implementing Reposit officials are committed to the program's goals, 5) interest groups and (executive Repository Universitas Brawijava Repository Universitas Brawija Reposit and legislative) sovereigns are supportive, and 6) there are no detrimental Repositoranges in the socioeconomic framework conditions. Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unite concept of perfect implementation was derived from the work of Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi Christopher Hood (1976). In Hill and Hupe (2002), he suggests that one way of analyzing implementation problems is to begin by thinking about what 'perfect Reposit administration' would be like, comparable to the way in which economists employ the model of perfect competition. Perfect administration could be defined as a Reposit condition vin which fexternal elements of resource availability and political Repository Universitas Brawija administration to produce perfect po Repository Universitas Brawijaya ositoreptability combine with Repository Universitas Brawijaya Repositimpiementationitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universettee, perfect implementation process was hard to achieve and Repository Universitas Brawijaya Repository Universitas Brawijaya Repositunfavorable conditions could cause implementation failure. BThe policy implementation makes successful implementation possible, or makes the policy Universitas Brawijaya Reposi goal achievement fall, which is stated by Andrew Dunsire as the implementation gap (Luthuli, 2007). Dealing with this implementation gap is normally key to Repository Universitas Brawijaya Repositimplementation success: wijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Unherfailure Bofa policy a can be distinguished einst two Brases, a non Repository Universitas Brawijaya Repository Universitas Brawijaya Repositimplementation and unsuccessful implementation (Hogwood and Gunn, 1984). In Reposit the former case, a policy is not put into effect as intended, perhaps because Repository Universitas Brawijaya Repository Universitas Brawijaya Reposithose involved in its execution have been uncooperative and or in efficient, or Repository Universitas Brawijaya not overcome obstacles to effective Repository Universitas Brawijaya Reposit implementation to ver which they Fhad clittle for Univ controls Unsuccessful Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya implementation on the other hand,

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Repository Universitas Brawijaya Repositbeing put at risk because of one

Repositexecution, bad policy, or bad luck. Thus the policy may be ineffectively Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit hopelessly unrealistic assumptions.

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Repository Universitas Brawijaya occurs when a policy is carried out in full, and

Reposit external circumstances are not unfavorable but, none the less, the policy fails to Repository Universitas Brawijay: produce the intended results (or outcomes). The reasons for failure appear to Repositifollow naturally from such studies. In plain terms, a policy is usually seen as

Repository Universitas Brawijaya or more of the following three causes: bad

Repository Universitas Brawijaya Reposit implemented, which will be viewed by the initiators of the policy as bad execution.

Or both policy initiators and those charged with its implementation may agree that Repository Universitas Brawijaya Reposi external circumstances were so adverse that it was no one's fault 'just bad luck'

that the policy failed. The reason which is less commonly -or at least openly-

Reposit offered in explanation of policy failure is that the policy itself was bad, in the

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Communication Resources **Implementation** Dispositions Bureaucratic Structure

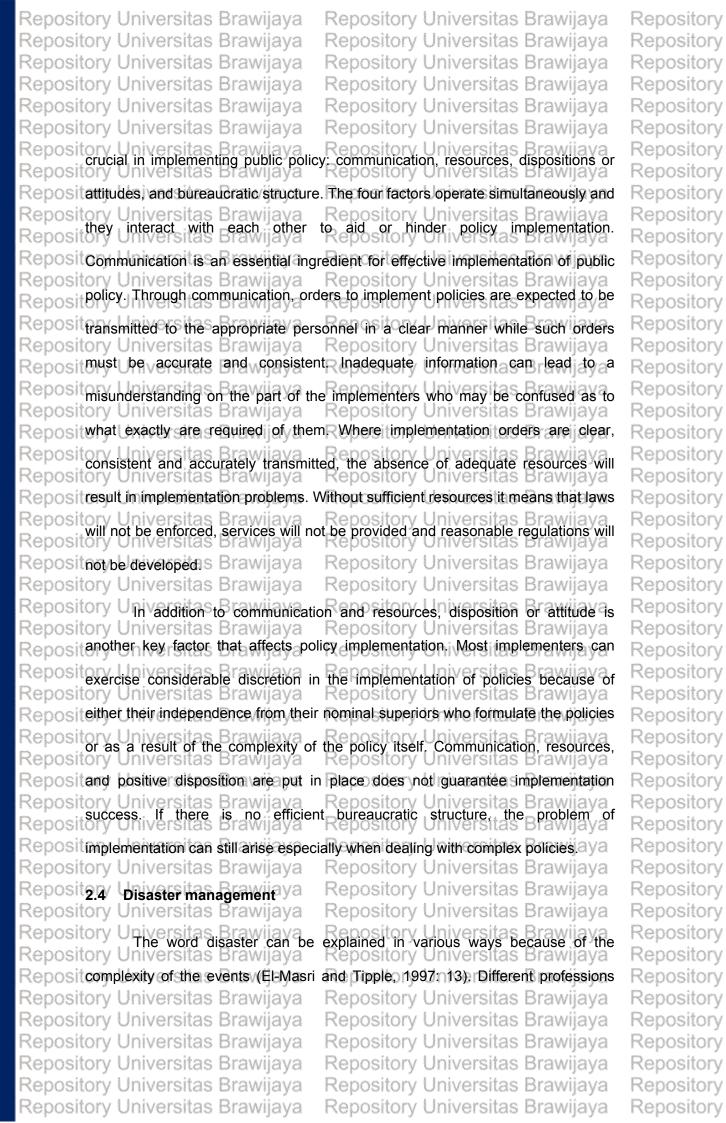
Repositc. Repository Universitas Brawijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Unaccording to Edwards III (1980), there are the critical factors that are very Repository Universitas Brawijaya Repository Universitas Brawijaya

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can define disaster differently. According to Mc Entire 2000 (in McEntire 2001: 7)

Repository Universitas Brawijaya Reposit disaster can be seen as the negative effects of interaction between triggering Repository Universitas Brawijaya Repository Universitas Brawiia agents - natural environment, human activity, or the combination of both - and Repositivulnerability. It is also can be explain as the full predicament situations happen to Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit the individual or communal (Kumar 2000 in Moe and Pathranarakul 2006). Reposit UNCHS (United Nations Centre for Human Settlements) (UNHCS, 1994 in El-Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Masri and Tipple, 1997), proposes a holistic definition of natural disaster. It is said Reposithat a natural disaster is an interaction between natural hazards with the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit vulnerable econditions which can cause harm and loss to man and the environment. While Sundar I (Sundar and T Sheziyan 1991) propose disaster as Repository Universitas Brawijaya Universitas Brawijaya Reposit a crisis situation causing wide spreading damage which far exceeds our ability to Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Conclude that disaster there Reposition of be a perfect ideal system that prevents damage, because then it would Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor be a disaster Repository Universitas Brawijaya Repository Unhese impacts can cause suffering and chaos that will create socio-Repository Universitas Brawijaya Repository Universitas Brawijava economic, cultural and political disruption. In this perspective, disaster is not only Reposit a technical matter but also environmental, social, and developmental concern (El-Repository Universitas Brawijaya Repository Universitas Brawijaya RepositMasri and Tipple, 1997) awijava Repository Universitas Brawijaya Repository The most comprehensive definition of disaster is combination of Hazard Repository Universitas Brawijaya Repository Universitas Brawijaya Reposithat may come from human act or natural phenomena with the vulnerability According to Weichselgartner (2001:23) the condition (UNDP, 1992: 5). Reposito Reposit vulnerability concepts itself is still fuzzy. It is happened because even though in Repository Universitas Brawijaya the frame work of disaster management vulnerability can be seen from different Reposit point of view. First technically vulnerability is define as the potential exposure, or Repository Universitas Brawijaya Repository Universitas Brawijava Reposit damage potential, of the hazard. Secondly vulnerability is seeing as the social Repository Universitas Brawijaya Repository Universitas Brawijaya

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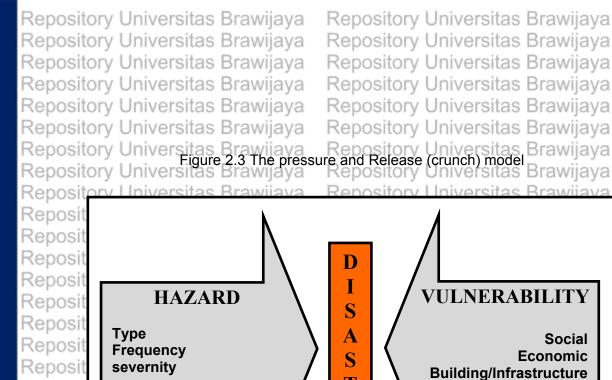
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Reposit Source: UNDP (1992) Repository Universitas Brawijaya Repository Repository Universitas Brawijaya Repository U Management in all bussiness areas and organizational acctivities are the Repository Universitas Brawijaya Repository On getting people together Repository Universitas Brawijaya to accomplish desire goal anno objectives Reposit efectively and efficiently. Managment comprises planning, organizing, staffing, Repository Universitas Brawijaya Repository Universitas Brawijava Reposit leading, or directing and controlling an oragnization (a group of one or more Reposit people or entities) or effort for the purpose of accomplishing a goal. Management Repository Universitas Brawijaya Repository Universitas Brawijaya Reposition also be defined as human action to facilitate the production of useful outcome from a system. In this research the classical management concepts is Repository Universitas Brawijaya Repository Universitas Brawijaya Reposituse combines with Econtingency approach. Classical management concept explains the managerial function such as planning, organizing controlling and Repositor Reposit directing, while contingency approach based on the concept that there is no ory Universitas Brawijaya Repository Universitas Brawijaya management concept that suit or can be used in every activity. In other word, nepository Universitas Brawijaya Repository Universitas Brawijaya Reposit management that work in one activity will not always fit with the other activity.

RepositThat is why management have to be flexible sitory Universitas Brawijaya

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Repository Universitas Brawijaya
Repository Universitas Brawijaya
Repository Universitas Brawijaya Repositreach its previous condition before the disaster happened ersitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposites Variategies in Disaster Management sitory Universitas Brawijaya Repository Universitas Brawiiava Repository Universitas Brawijava Repository Sundar and Sezhiyan (2007:5) explained the term of management disaster Repository ollows versitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 1.1 Disaster Prevention ava Repository Universitas Brawijaya Repository University prevention is the action taken to eliminate or to avoid the Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Urhamful of a natural phenomena and their effectiversitas Brawijaya Repository Universitas Brawijaya Mitigation Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UnMitigation is the action taken to reduce or to minimize human suffering or Repository Universitas Brawijaya Repository 3 Ir Preparedness rawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya



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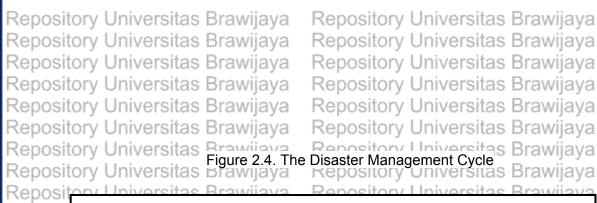
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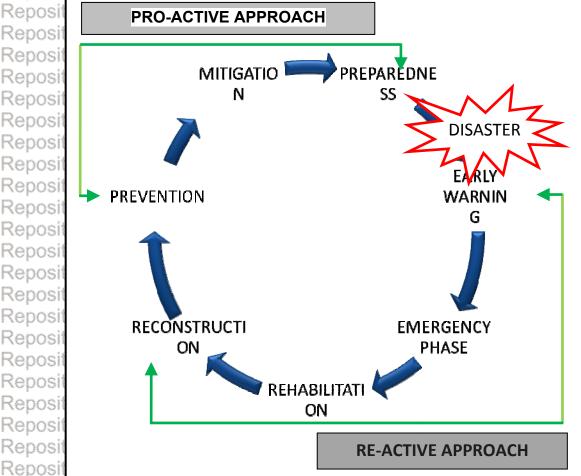
Repository Universitas Brawijaya Repository Completing one of another. However Repository Universitas Brawijaya Repository every cycle has to indicate that story universitas Brawijaya Reposit management and disaster is continuing activity or unending circles. Brawijaya Repository Universitas Brawiiava epository Universitas Brawijaya Repository There is a shift from on disaster management approach from re-active Repositionly to the combination of pro-active and re-active approach in the last decade. In Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit the past time pro-active approach often ignored since there is a Reposit misunderstanding in assume the natural disaster was a "God Act" to punish the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposithuman being. Therefore it was associated with a huge and catastrophic impact Repository Universitas Brawijaya Repository Universitas Brawijaya Repositexpensive in re-active approach, because the recovery and the reconstruction ory Universitas Brawijaya phase can take years to be in a prior condition. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Oosterberg et ally (2005) present three basic strategies in disaster Repository Universitas Brawijaya Repository Universitas Brawijaya management, they are: keep disaster from urban area (hazard reduction), Repository Universitas Brawijaya Reposi prepare urban area for disaster (vulnerability reduction), keep urban area from Repository Universitas Brawijaya Repository Universitas Brawijaya disaster (exposure reduction). These strategies seem very simple but they are Reposithe basic strategies in disaster management. Many country adopt and implement Repository Universitas Brawijava Repository Universitas Brawijaya Repositione or the combination of these strategies in their disaster management plan. Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit 2.6/ Concluding Remarks ava Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Uras/described before there is a shift in management disaster in this Repository Universitas Brawijaya lepository Universitas Brawiiava decade, from re-active approach which is, early warning, emergency response, Reposit rehabilitation, and reconstruction, to the combination between re-active and pro Repository Universitas Brawijaya Repository Universitas Brawijaya Repositactive approach which is, prevention, mitigation and preparedness. The old paradigm only focus to Hazard reduction now it come to risk management by Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit conducting vulnerability reduction and proactive measure. The trend is also change from single agency to partnership and multidisciplinary approach in ory Universitas Brawijaya Reposit disaster management, from rational planning to collaboration planning: awijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit prepare urban area for disaster (vulnerability reduction), keep urban area from

Reposit disaster (exposure reduction). While in earthquake disaster hazard reduction is Repository Universitas Brawijaya Repository Universitas Brawijaya

Reposit rather hard to do since it depend on natural phenomenon. While the others

Reposit strategies is more applicable to implemented. Means, there is a tendency to Repository Universitas Brawijaya Repository Universitas Brawijava

Reposit reduce the vulnerability and reduce the exposure to the disasteras Brawijaya

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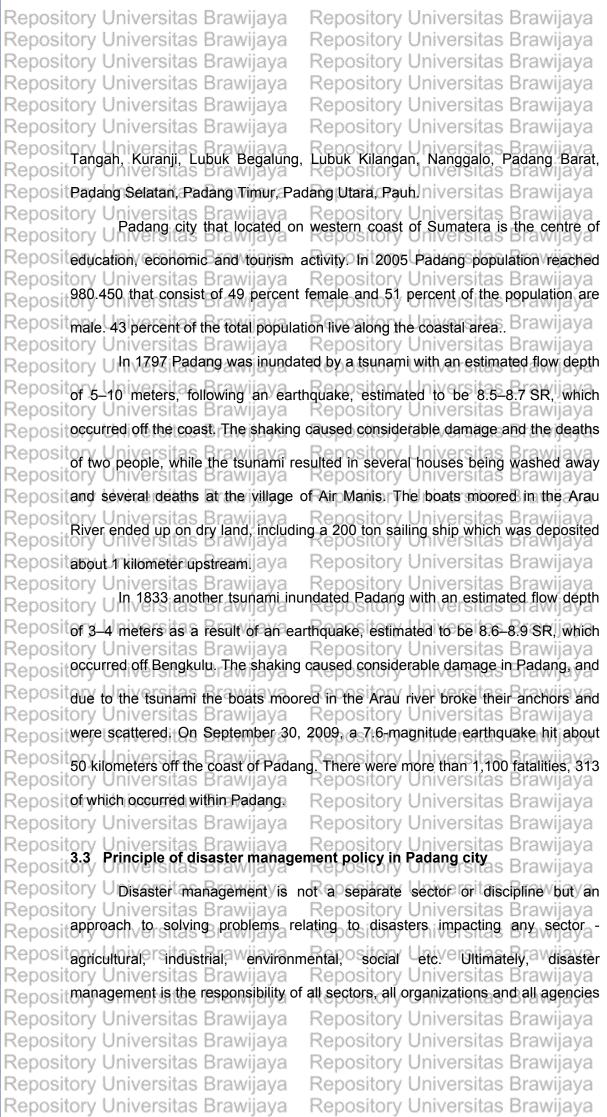
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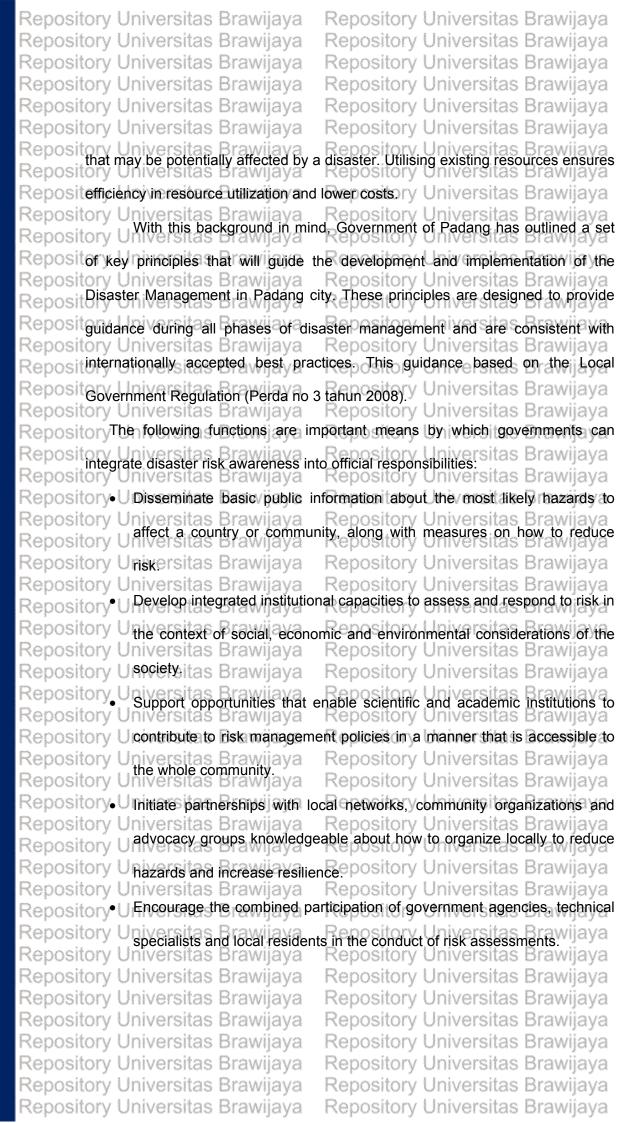
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Repository Universitas Brawijaya itory Universitas Brawijaya Repository Universitas Brawijaya Reposit3.1/ UWest Silmatera at a glance Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Province of West Sumatera located the west side of Sumatera Island. Repository Universitas Brawijaya Reposit With Padang as the capital city, this province consists of two main ethnic groups. Reposit Minangkabau people live in the mainland, while the Mentawaian at the Shore Repository Universitas Brawijaya Repository Universitas Brawijaya RepositIslands. Almost 100 percent Minangnese noted as moderate Muslims. They practice Islam rule in their daily life, but still opened to foreign influence, despite Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi they still hold their traditional culture which one of the most unique culture in the world, Matriarchal or Mother line family. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas y Unive<u>r</u>sitas Brawijaya The West Sumatera province is bordered by North Sumatera province on Reposithe north, Riau Province on the east Jambi and Bengkulu province in the south, Repository Universitas Brawijaya Repository Universitas Brawijava Reposit and Indian Ocean on the west. The total area of the province is 42,227.30 square Reposit kilometers. It is consist of 10 regencies and 6 municipals. The biggest regency is Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Padang Pariaman while the biggest city is Padang, Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawna 3.2 Location of the research Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Since the research is about the implementation of disaster management in Padang city, then Padang is the location of the research. Padang is the capital Repository Universitas Brawijaya Reposit and largest city of West Sumatra, Indonesia. It is located on the western coast of Repository University Brawiiaya Sumatra at 0°57'0"S 100°21'11"E. It has an area of 694.96 square kilometres Reposit (268.3 sq mi) and a population of over 833,000 people at the 2010 Census. Repository Universitas Brawija Repository Universitas Brawija Reposit Padang is divided in 11 subdistricts (kecamatan): Bungus Teluk Kabung, Koto Repository Universitas Brawijaya Repository Universitas Brawijaya





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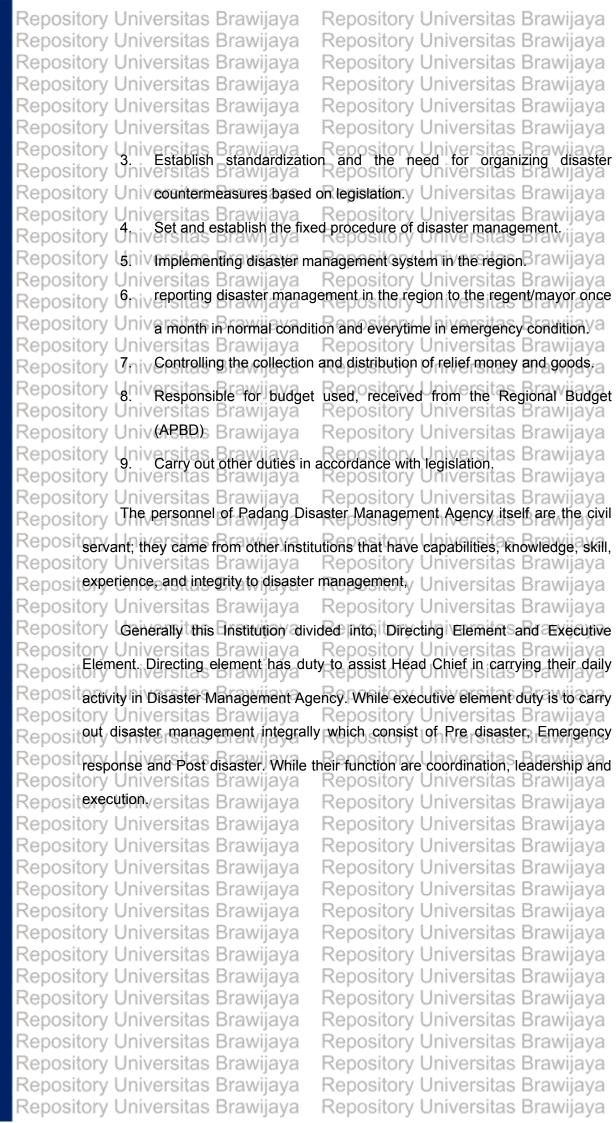
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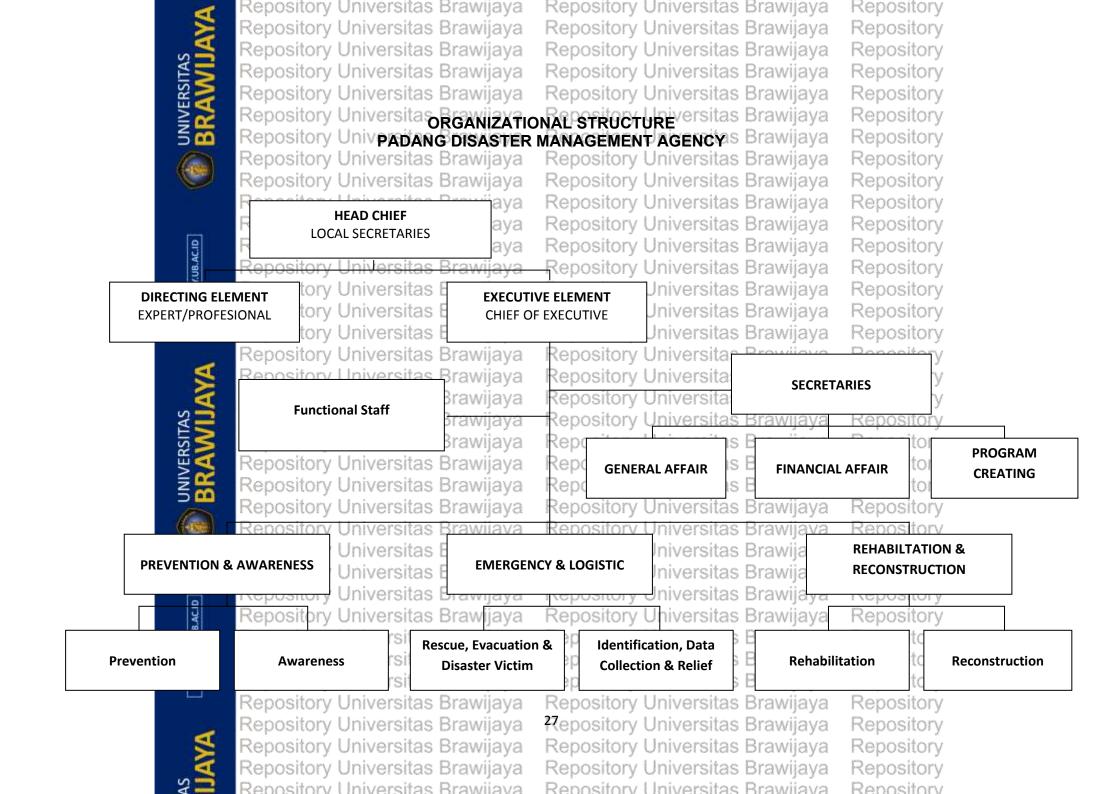
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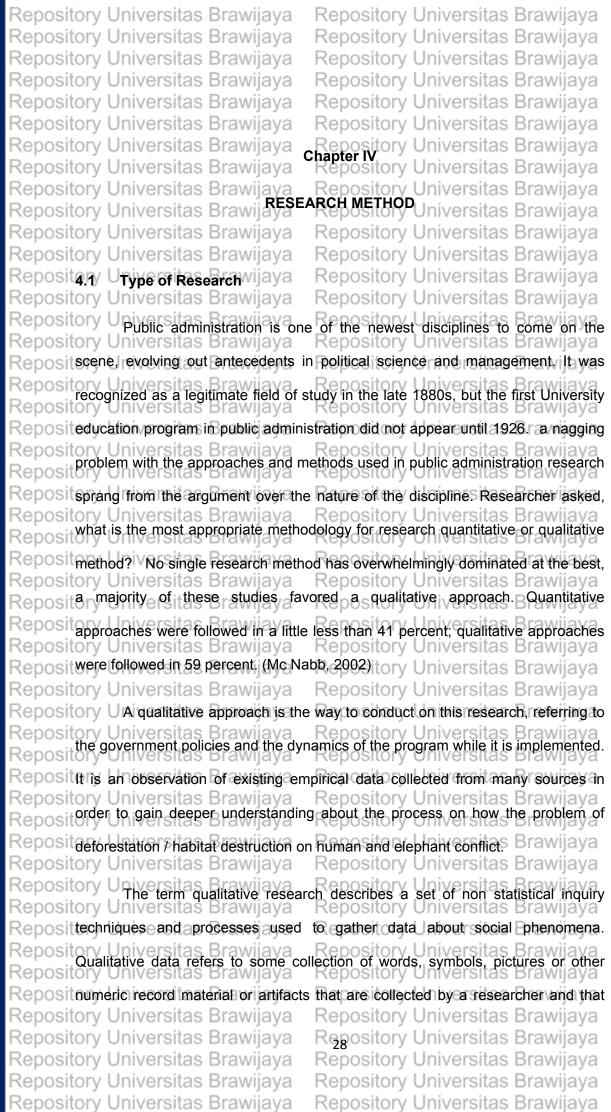
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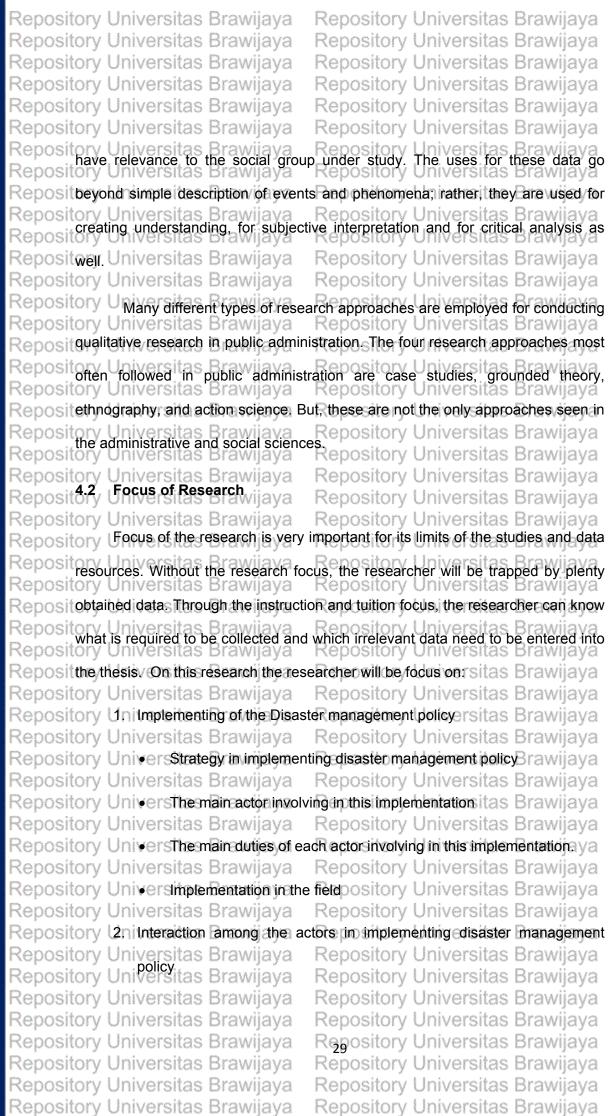
Repository Universitas Brawijaya Repository Uprotection of private and public assets and critical infrastructure awijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U.Promote and encourage public participation in the design and Repository Unimplementation of risk and vulnerability strategies at local and national Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Urlevelssitas Brawijaya Repository Universitas Brawijaya Reposit 3.4 Leading Actors of Disaster Management In Padang Sitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Disaster Management Act (UU no 24 tahun 2007) Mandating every local government (provincial and District/city) to establish an official agency on disaster Universitas Brawijaya Repository Universitas Brawijaya Reposit management. Padang responds to this mandate by establishing a Local Disaster On March 10<sup>th</sup> 2008 Padang passed Local Management Agency (BPBD). Reposit Government Skegulation / (Perda No.p.03 to Tahun 1/2008) taabout a / Disaster Repository Universitas Brawijava Repository Universitas Brawijaya Management. In article 25 stipulate that to implementing Disaster Management in Reposit Padang should coordinated by Local Disaster Management. Dealing with this Repository Universitas Brawijaya Repository Universitas Brawijaya matter Padang local government issued another regulation (Perda No 18 tahun Reposit 2008) about establishing Local Disaster Management agency: itas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawilava Repository U Padang Disaster Management Agency officially established on February 26<sup>th</sup> 2009. Their main duty and function dispose on Mayoral Decree (Perwako No Repository Universitas Brawijaya kepository Universitas Brawijaya Reposit 58 tahun 2008) as follow: wijaya Repository Universitas Brawijaya Repository University Buildelines and direction in accordance with local policy and Repository Univ National Disaster Mitigation Agency over disaster countermeasures Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijava prevention, emergency, rehabilitation, and Repository Univercinstruction as fairly and equitably ry Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository 2 Establish standardization and the need for organizing disaster Repository Universitas Brawijaya Repository Universitas Brawijaya



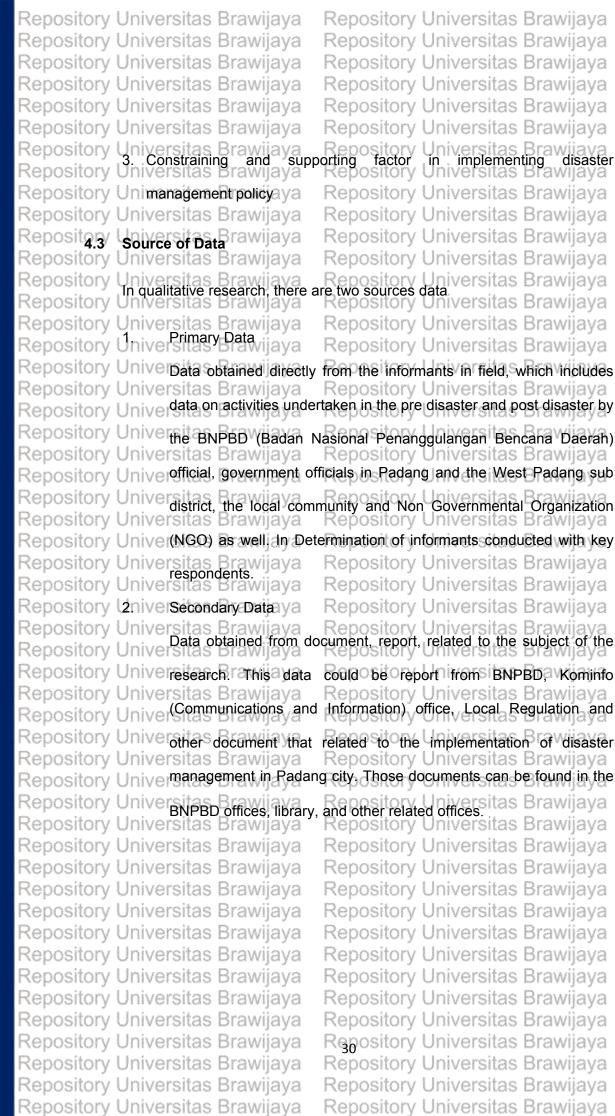




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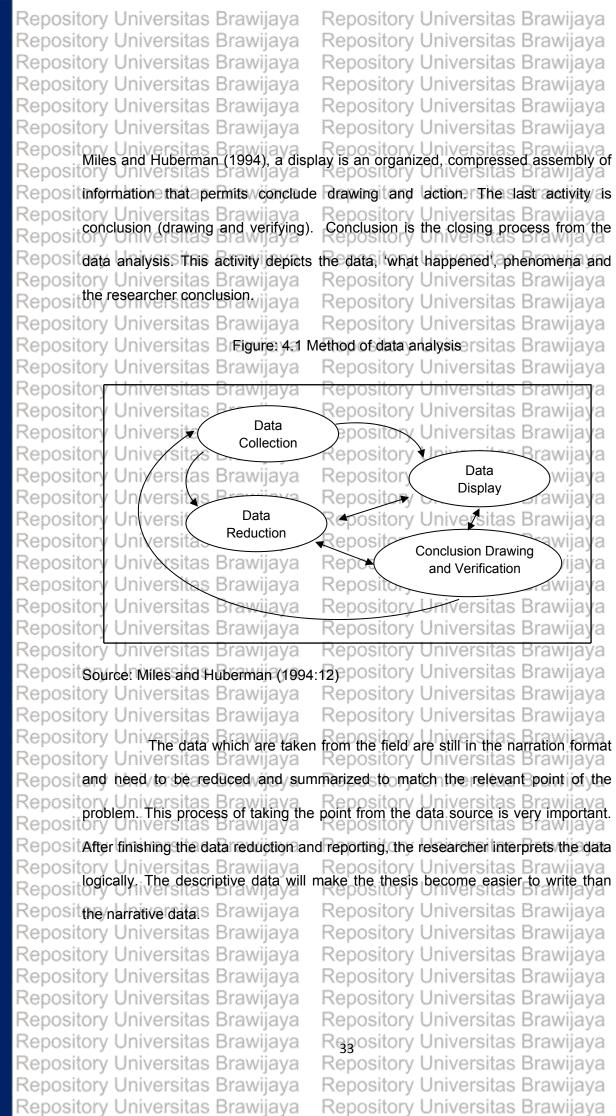
Repository Universitas Brawijaya orting factor in implementing disaste Repository Universitas Brawijaya could be report from BNPBD, Kominfo Repository Universitas Brawijaya Information) office, Local Regulation and related to the implementation of disaster Repository Universitas Brawijaya and other related offices. Brawijaya Repository Universitas Brawijaya

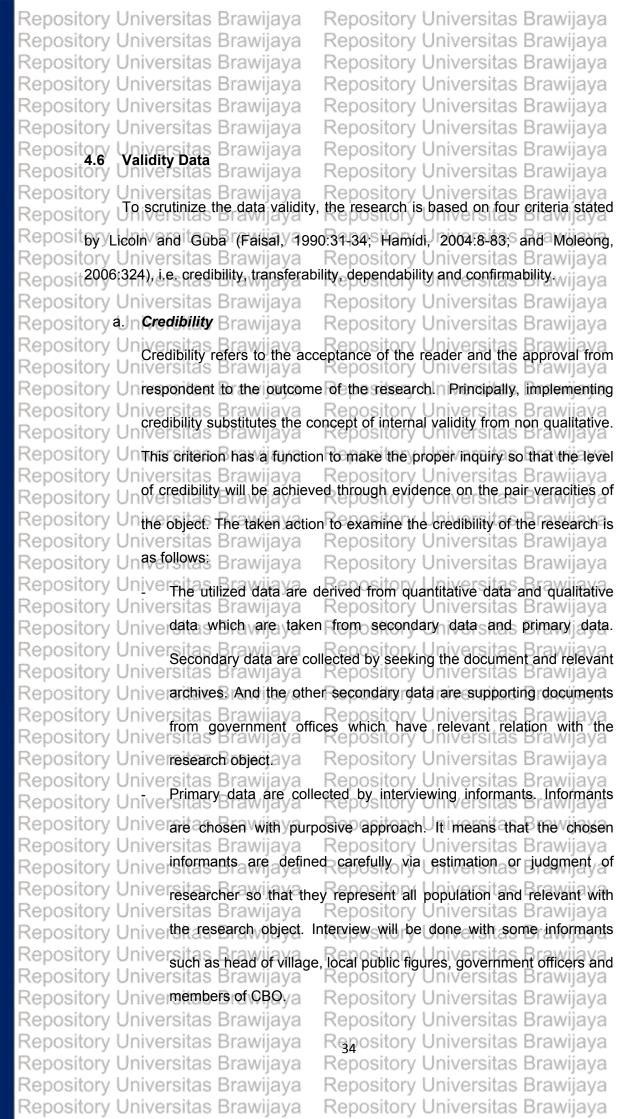
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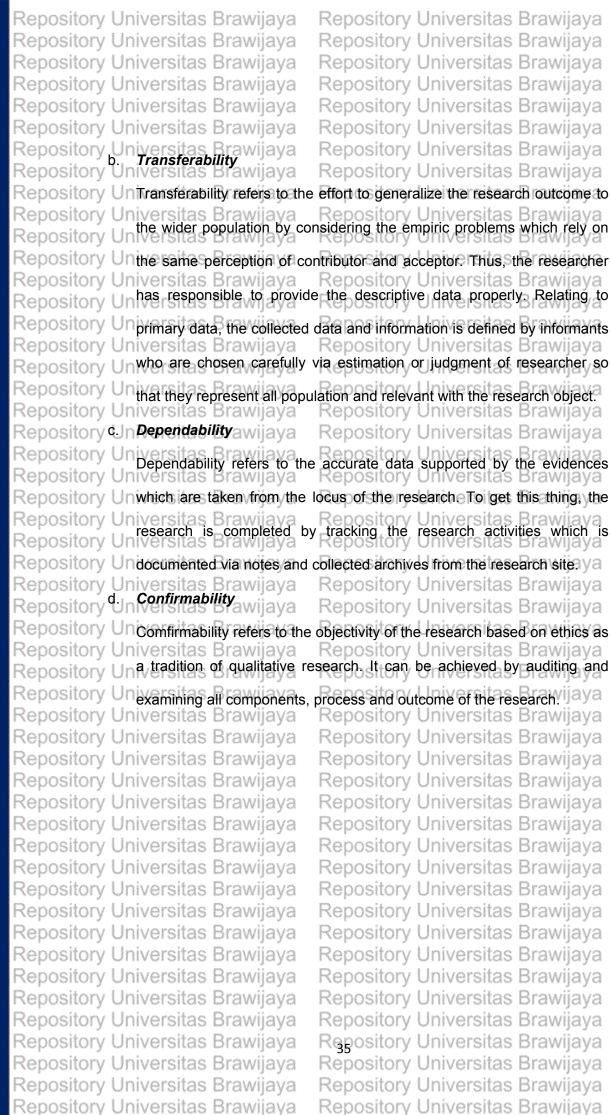
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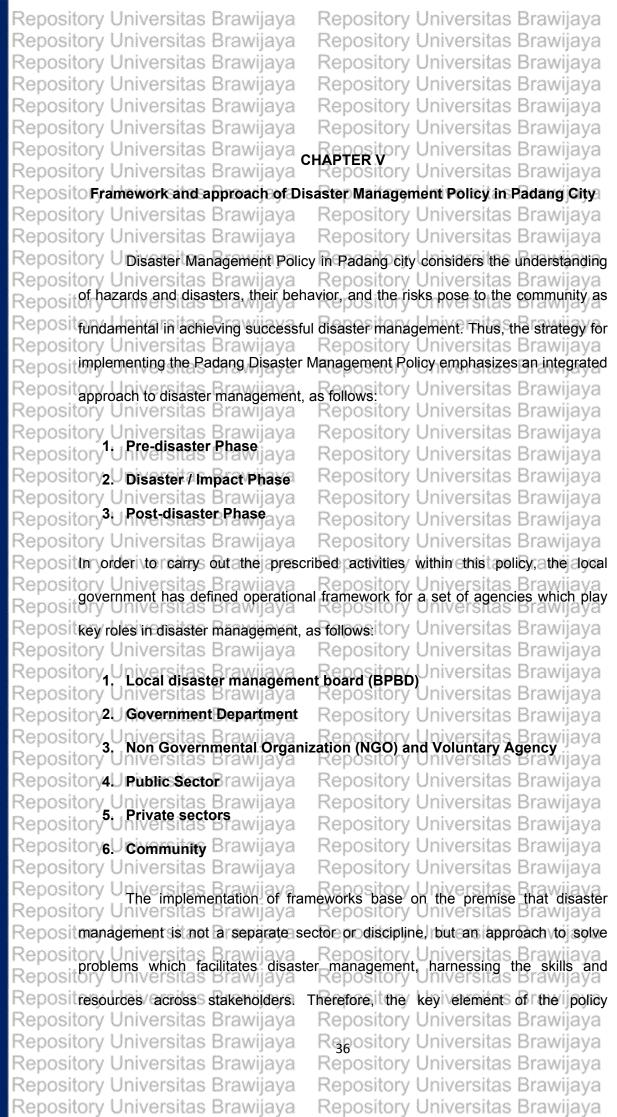
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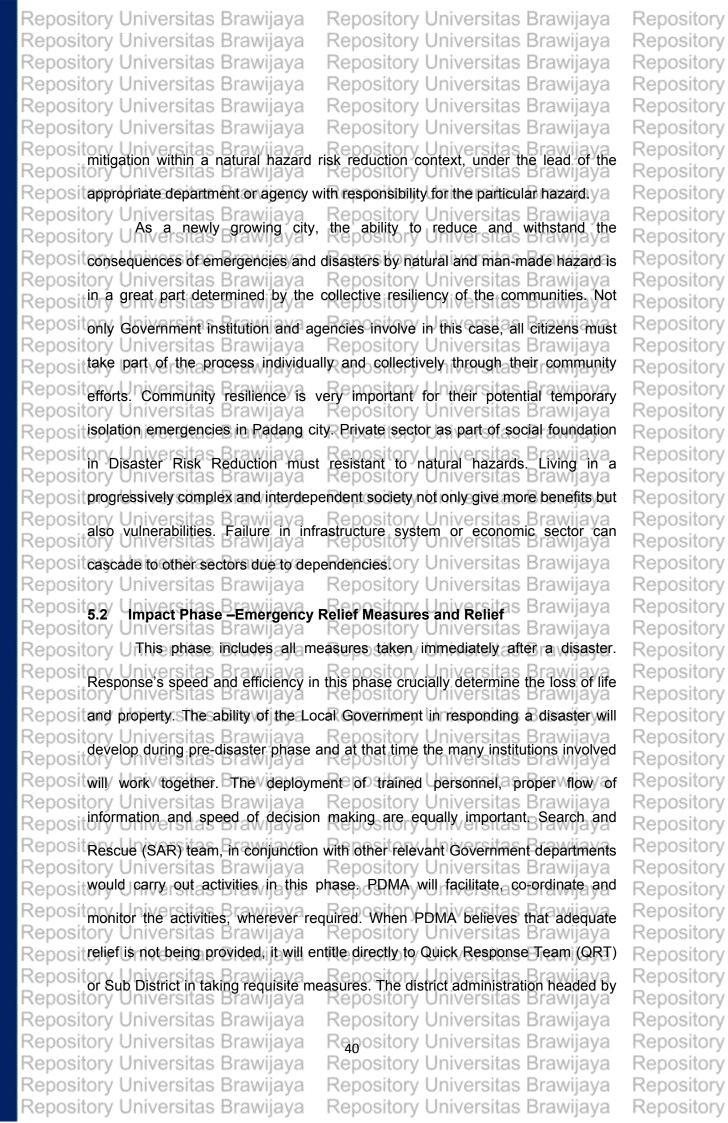


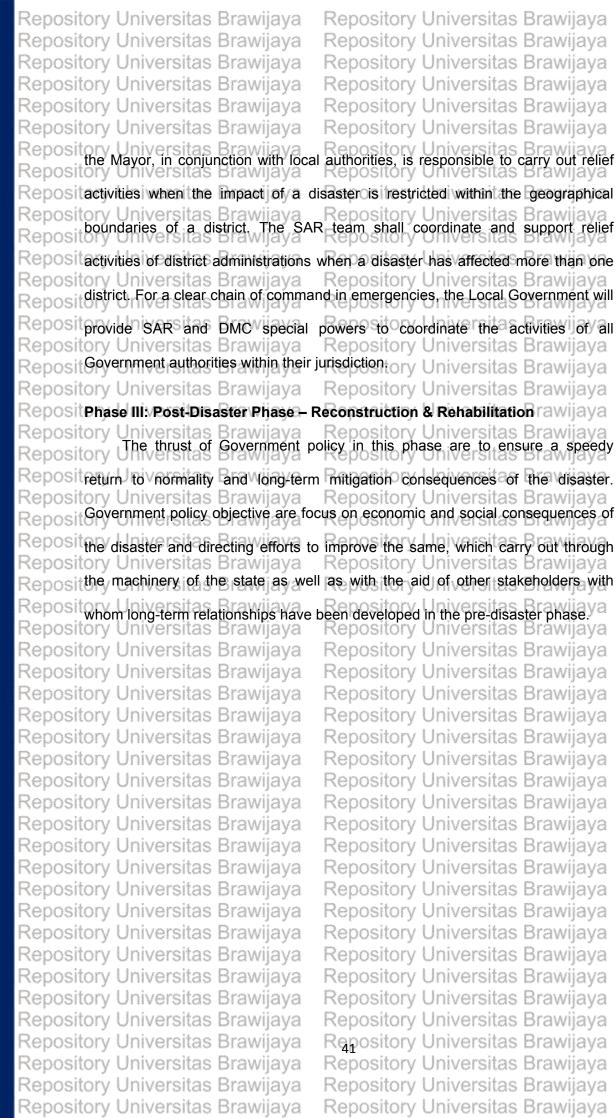


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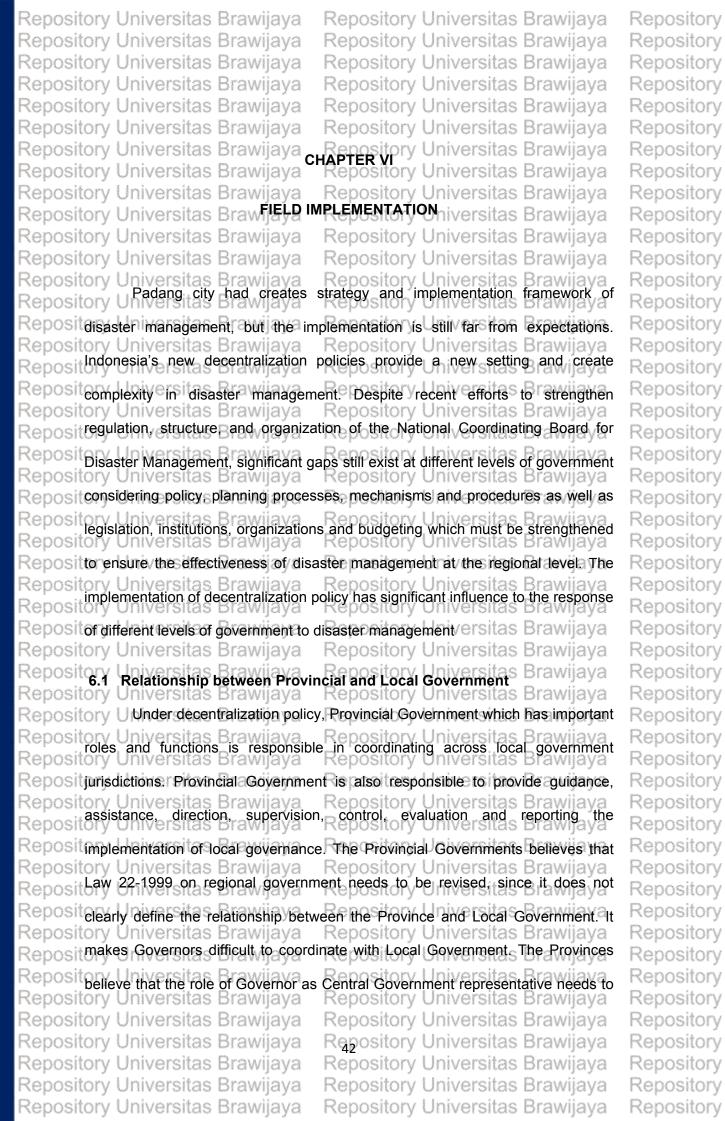
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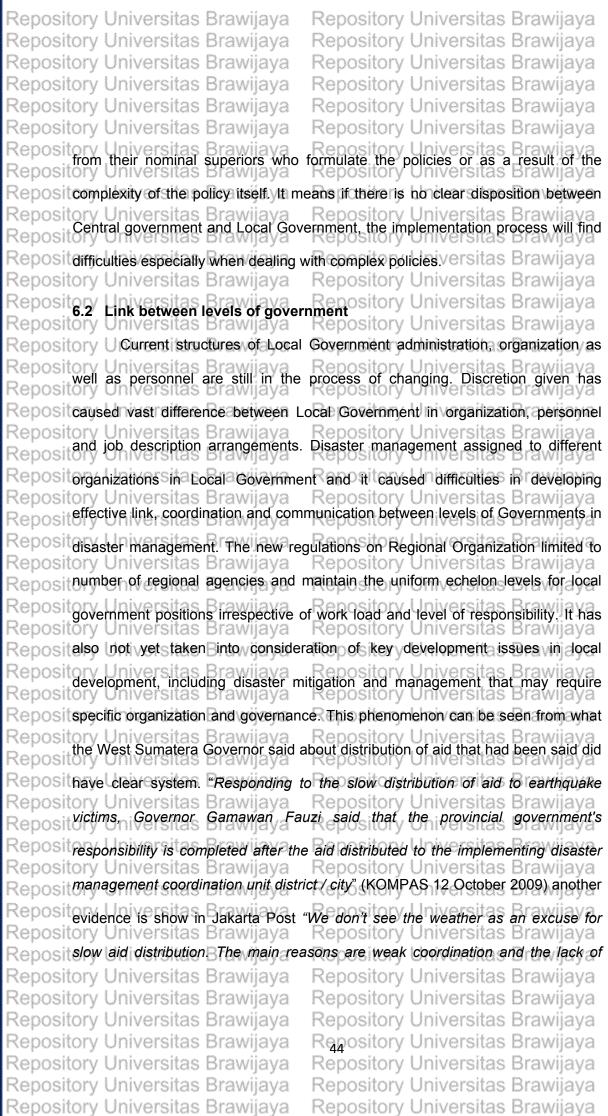




Repository Universitas Brawijaya authorities, is responsible to carry out relief Repository Universitas Brawija The SAR team shall coordinate and support relief Repository Universitas Brawijaya powers to coordinate the activities of all Repository Universitas Brawijaya Repository Universitas Brawijaya

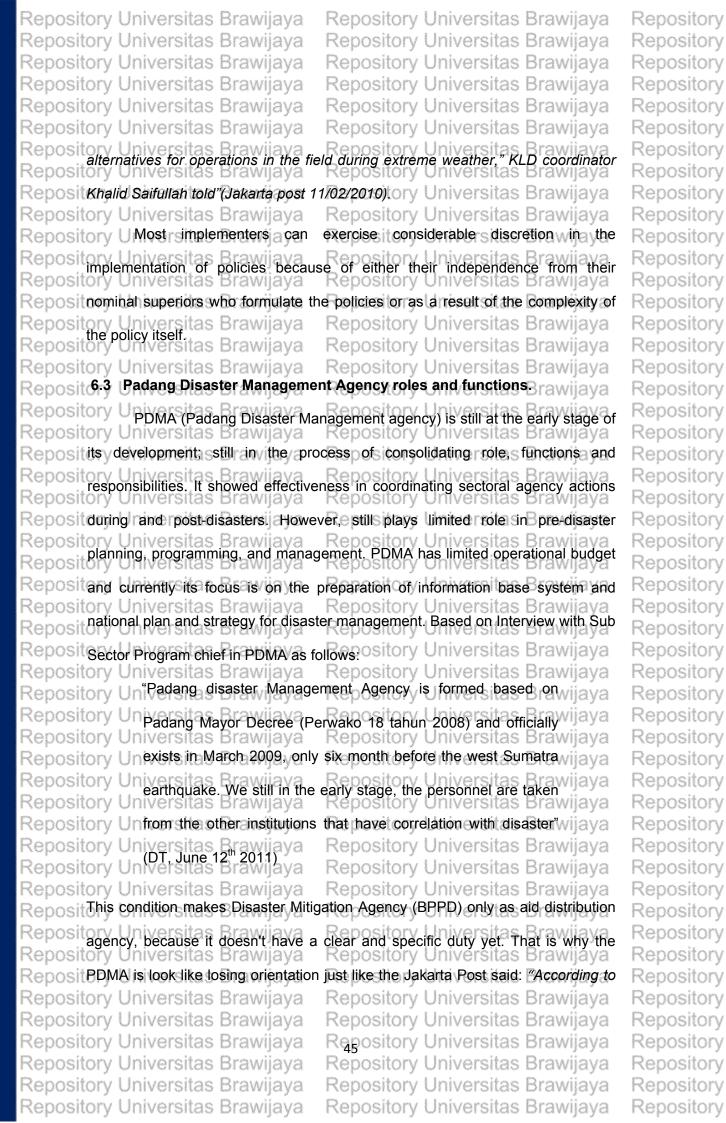






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Repository Universitas Brawijaya law, the BPBD is the lead institution for disaster response. Seven days have Repositalready passed and the institution should have been able to take command and epository Universitas Brawija Repository Universitas Brawiiava Reposit not depend on other parties," said Khalid, who is Walhi's West Sumatra chief. Repository Universitas Brawijaya Reposit (The Jakarta Post 12/02/2010). Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

Staff Capacity for Disaster Management. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Consultations held so far with Local Government and Non-Government Stakeholders found that the trainings are very limited. Most training available are Reposit related to operational procedures and action during disasters. Moreover, the Repository Universitas Brawijava Repository Universitas Brawijaya trainings are primarily directed for local government officials. There is very limited Repositraining which empowers the roles and functions of non government stakeholders Repository Universitas Brawijaya Repository Universitas Brawijaya Repositin disaster management. "The lack of political will, combined with the lack of bureaucratic capacity to address emergency preparedness will only prove fatal. Repository Universitas Brawijaya kepository Universitas Brawijaya Reposit And with uncontrolled decentralization, the potential for more disasters should not be ignored. The central government needs to be more proactive in ensuring that Repositional governments have adequate capacity and will to address this issue" (The Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Jakarta Post, 17/10/2009). Repository Universitas Brawijaya Repository U The lack of training process and no formal institution has capability to hold Repository Universitas Brawijaya Repository Universitas Brawijaya Repositraining and course related to disaster management may cause implementers's capacity gaps in field. So well understand about the community, local government Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit plays an important role before, during and after disaster. Unfortunately, in general, local government is one of the most understudied institutions in the Repository Universitas Brawijaya kepository Universitas Brawijaya Reposit disaster literature (Wolensky and Wolensky, 1990). There have been very few Repository Universitas Brawijaya comprehensive, studies, of the Repository Universitas Brawijaya Repository Universitas Brawijaya internal resource capabilities which explain Reposi capability as a key aspect of disaster management for central and local Repository Universitas Brawijay Repository Universitas Brawijava Repository roment, and also about the role of local government, particularly in a Repository Universitas Brawijaya Repository Universitas Brawijaya

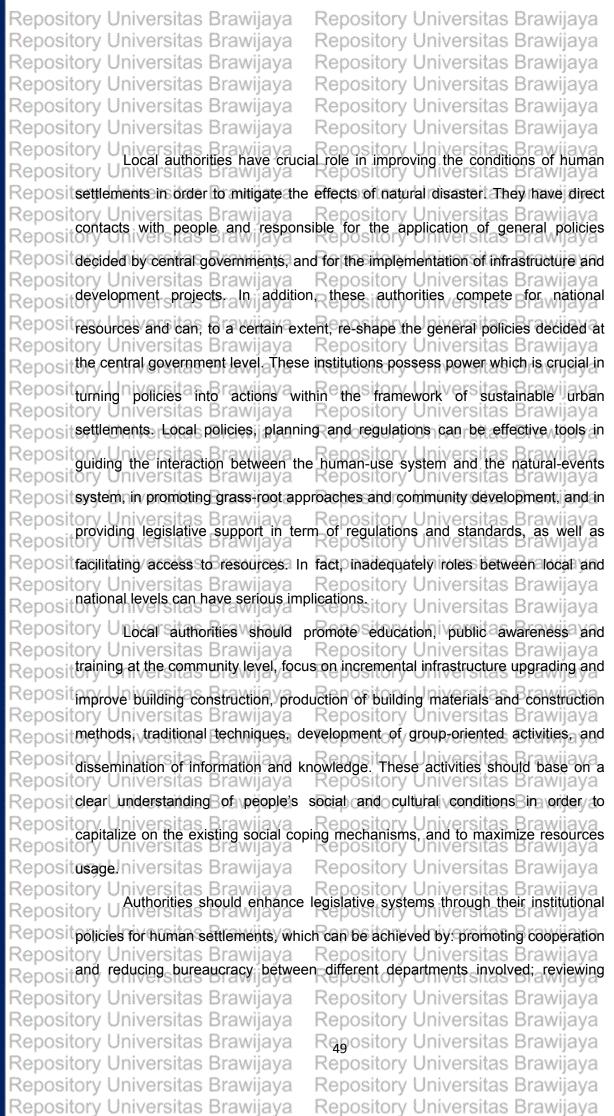
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Repository Universitas Brawijaya developing country, even though many experts emphasize that local government Reposit plays a crucial role in disaster, events. This is the major problem occurs in Repository Universitas Brawiia Repository Universitas Brawija Padang Disaster Management Agency, concerning with capacity of the staff in Reposi PDMA, some of them are not the expert on disaster management. When being Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit asked about their task and function they cannot explain their duty in this agency, Repositioner came from other institutions which have no relation to the disaster Repository Universitas Brawijaya Repository Universitas Brawijava Reposit management sector. This phenomenon will affect the successfulness of implementation of disaster management policy. Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Amit and Schoemaker (1993) refer to capabilities as an organization's capacity to deploy resources, usually in combination and using organizational Reposi processes, to affect a desired objective. This definition has two key features. Repository Universitas Brawijaya Repository Universitas Brawijaya First, capabilities are those attributes of an organization that enable it to exploit its Repository Universitas Brawijaya Reposit resources in implementing strategies. Second, capability primary purpose is to Repository Universitas Brawijaya Repository Universitas Brawijaya enhance the productivity of other resources that an organization possesses. Repository Univelation to disaster events, it is fundamental to identify the demands Repository Universitas Brawijaya Repository Universitas Brawijava Reposit (dynamic and evolving conditions, role uncertainty, and situational constraints) Reposit which characterize the disaster response environment and to develop the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit management capabilities required to deal with disasters. Versitas Brawijava Training in disaster management is essential to get an effective response Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi before, during, and after natural and man-made disasters. In such crisis situations, emergency knowledge, skills, and abilities are especially important for Reposi first responders to disasters at the international, national and state, or local level Repository Universitas Brawijaya Repository Universitas Brawijaya regardless of type or size of the disaster epository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit6.5/ Coordination among the Main actors itory Universitas Brawijaya Repository Universitas Brawijaya

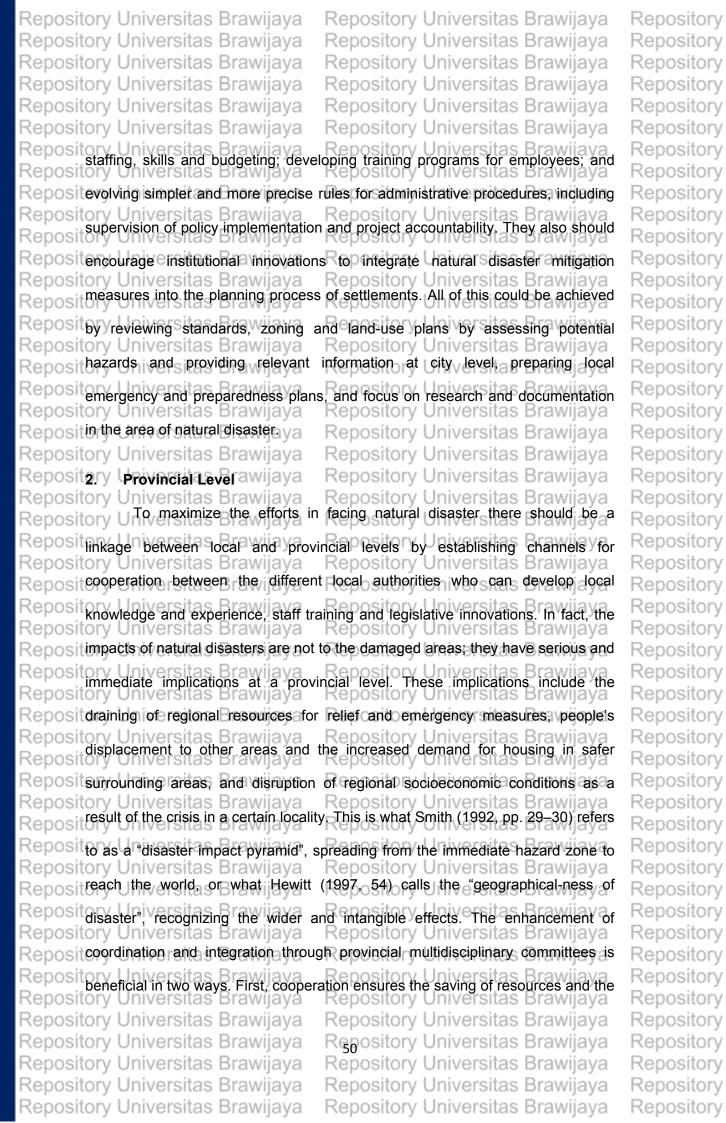
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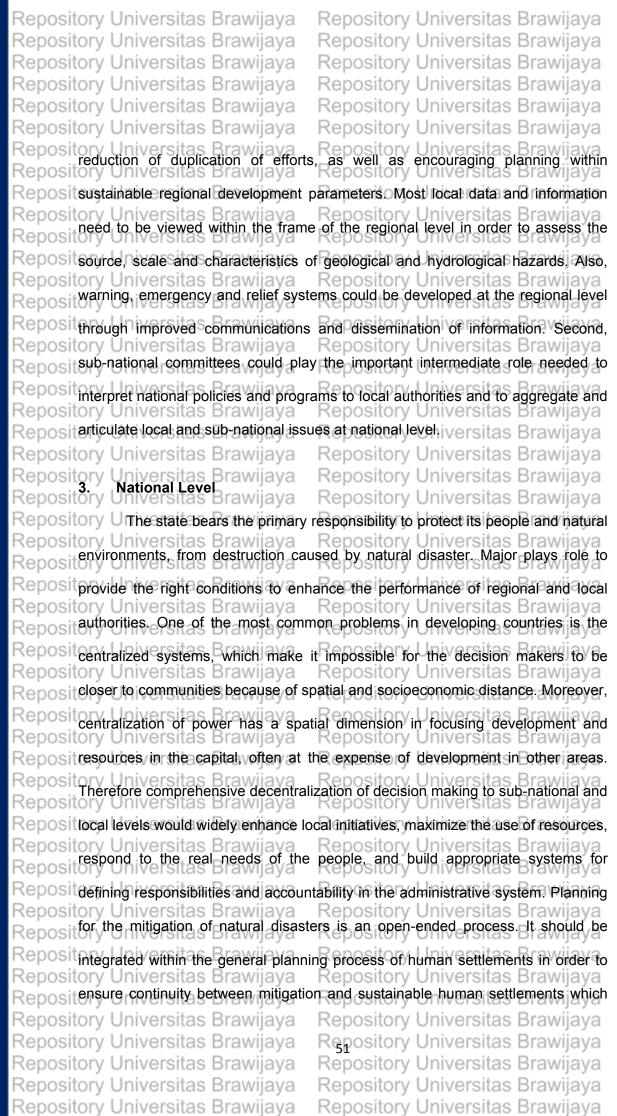
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Repository Universitas Brawijaya should also be seen as a part of the national decentralization process. Therefore, Reposithe state should be expected to: (1) Enhance technical assistance for regional Repository Universitas Brawijas oository Universitas Brawiiaya Reposition local institutions; (2) Provide training for technicians, professionals and Reposit administrators; (3). Distribute resources fairly and (4). Develop plans which Repository Universitas Brawijaya Repository Universitas Brawijaya Repositrespond to the real problems of housing associated with poverty and rapid Repositurbanization. The state should also create enabling policies, which deal with Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit regulatory mechanisms, administrative readjustments, economic incentives, and Reposit the dissemination of knowledge and information campaigns. Furthermore, the Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit state should perform its role in guiding outside interventions, including resources, at the international level. Brawijaya technology transfer and cooperation Repository Universitas Brawijaya epository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Bray International Level Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U The inter-linkages between Fnations through economic, political and Repository Universitas Brawiiayas shared ecosystems, make natural disasters Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi become a matter of international interest. In fact, the global importance of the Repository Universitas Brawijaya Repository Universitas Brawijaya mitigation of natural disasters was clearly manifested in the declaration of the Reposit 1990s as the International Decade for Natural Disaster Reduction (IDNDR), Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit forging links between the political, scientific and technological communities. Repositinitiatives such as RADIUS (Risk Assessment Tools for Diagnosis of Urban Areas Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Against Seismic Disasters) for urban seismic assessment and the El-Nino interagency preventive approach aimed at reducing the loss of life, property damage Repository Universitas Brawijaya kepository Universitas Brawijaya Reposit and social and economic disruption caused by natural disasters (Natural Hazards Observer, 1998). The gravity of the matter and the necessity of international Reposit cooperation rencouraged the UN to establish a successor body named the Repository Universitas Brawijaya Repository Universitas Brawija International Agency for Disaster Reduction (ISDR) to carry on the decade's work Repository Universitas Brawijaya Repository Universitas Brawijaya

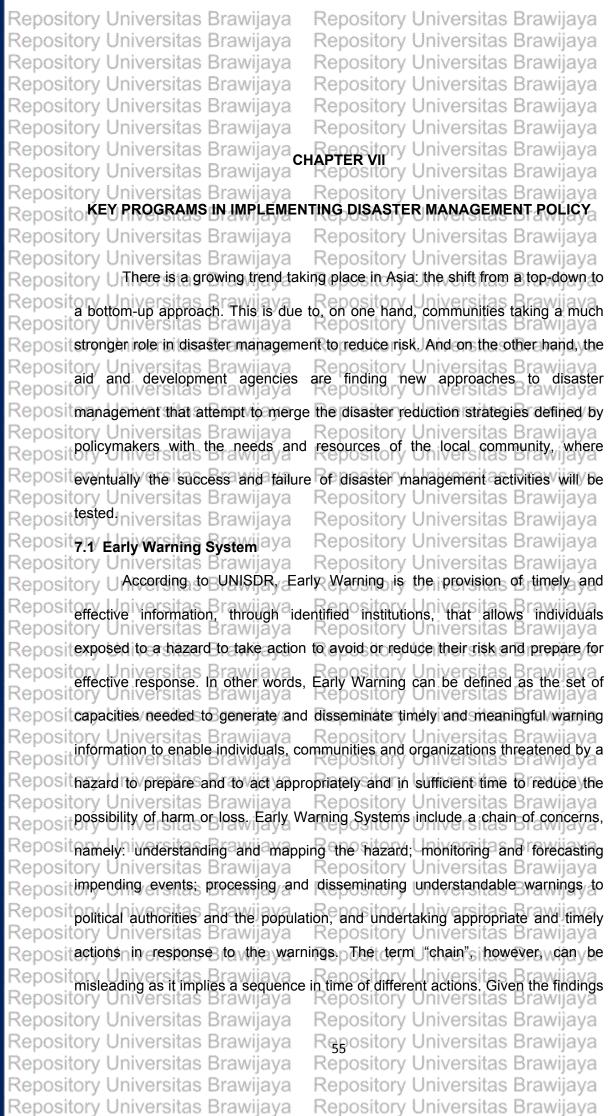
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Repository Universitas Brawijaya Reposit (Natural Hazards Observer, 2000). Its mission is to influence the decision-making Reposit process and to increase communities resilience to disaster and to promote a Repository Universitas Brawijava epository Universitas Brawija culture of prevention within a sustainable development framework, especially in Reposithe case of developing countries (Natural Hazards Observer, 2000). In the same Repository Universitas Brawijaya Repository Universitas Brawijaya Repositivein, the World Bank launched a consortium to provide a global partnership for Reposit reducing the risk of natural and technological disasters (Natural Hazards Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Observer, 2000, p. 3): rawijava Repository Universitas Brawijaya Repository United a regional scale, both La Red in Central America and the Asian Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi Disaster Centre in Asia and the Pacific work to promote disaster awareness and the development of local capacity building, and to foster institutionalized disaster Reposit management and mitigation policies. International experience in the field of disaster reduction can no longer continue to be ignored. However, international Repositechnical and financial assistance can only be supportive to national initiatives, ory Universitas Brawijaya Repository Universitas Brawijaya which have major responsibilities in reducing the vulnerability of human Repository Universitas Brawijay Repositisettlements. International agencies have roles to assist countries in building Repository Universitas Brawijaya Repository Universitas Brawijaya mitigation programs by applying existing knowledge, taking careful consideration Reposit of socioeconomic and cultural diversity among nations through various channels Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit of cooperation, such as comprehensive technology transfer, exchange of knowhow and mobilization of resources. International agencies can also focus their Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit efforts on promoting research into different aspects of natural disaster, on disseminating existing and new information, and on establishing international Reposit database and information systems. Others areas of cooperation could be in Repository Universitas Br Repository Universitas Brawijaya fostering scientific and engineering endeavors for the mitigation of natural Reposit disasters, including data analysis, risk assessment and warning systems. These Repository Universitas Brawijaya Repository Universitas Brawijaya Repositintérnational agencies can also develop education, training and evaluation Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya professionals in the field of natural disaster Repository Universitas Brawijaya Repository Universitas Brawijaya Repository From the discussion above we can see that coordination among the level Reposit of government is a must. However in real situation there are some problems in Repository Universitas Brawijaya Repositheir realization. Since the autonomous policy being implemented in Indonesia, Reposit many head of regency / city fell that they do not have responsibility to the Repository Universitas Brawijaya disaster management act still not clear in mentioning who will be responsible when a disaster called as a national disaster, Repository Universitas Brawijaya Repositivhether local government or central government, whether Local Disaster management Agency or National Disaster Management Agency who will become kepository Universitas Brawijaya Reposit the leading sector. This condition worsens by the condition that every institution Repository Universitas Brawijaya Repository Universitas Brawijaya that involving in the disaster management have their own procedural or standard Repository Universitas Brawijaya Repository Universitas Brawijaya niversitas Brawijaya Repository Universitas Brawijaya Nowadays NGO and PDMA try to socialize one Standard Operational Reposit Procedure (SOP) for all institution related to the disaster management, however Repository Universitas Brawijaya Reposit lack of capability from PDMA staff need assessment from other institution. Repository Universitas Brawijaya Repository Universitas Brawijaya



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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya to discuss about a concept that captures the Reposit concomitance of the different elements of EW; this could be a subject for review Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Based on Mayoral Decree (PERWAKO No 14 tahun 2010) a complete Repository Universitas Brawijaya Reposit and effective early warning system comprises four elements, spanning Reposit knowledge of the risks faced through to preparedness to act on early warning. Repository Universitas Brawijaya Reposit Failure in any one part can mean failure of the whole system. The "four elements Reposit of effective early warning systems", the Early Warning Chain, include the Repository Universitas Brawijaya Reposit development and operation of early warning systems in regard to: (a) knowledge of risks; (b) monitoring and warning services; (c) warning dissemination and Reposit communication; and (d) emergency response itory Universitas Brawijaya Repository Universitas Brawijaya Repository U These four elements of an Early Warning System imply that early warning Repository Universitas Brawijaya Repositis based on the assessment of risk and vulnerability. Moreover, early warning Reposit should be communicated appropriately and ensure response capability of the Repository Universitas Brawijaya Reposit people at risk, taking into account short and long-term measures. Brawijaya Repository Universitas Brawijaya

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Repository Un the context of tsunami early warning in Padang, the vulnerability of the people is created by their unequal access to information, either due to limited access to the private and public warning dissemination media or lack of capability on how to interpret the strong earthquake events beside the various, sometimes Repositunclear information they receive. This is combined with the awareness and Reposi knowledge background they have about tsunamis and what they have to do, and Repository Universitas Brawijaya their perception towards it. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Establishment of an early warning entails development of effective risk Reposit communication, where the people become aware and clear about the danger they face and what they need to do. However, preparedness at the community level cannot stand alone and should be supported by long-term measures, like in this case, appropriate evacuation infrastructures, such as evacuation shelters, sufficient evacuation roads, and in the long-term, control of urban activities in Reposit potentially affected areas. This means that an early warning should not be seen Reposit as relevant for solely emergency response, involving actors in community

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necessary long-term intervention. It is therefore important to involve stakeholders Repository Universitas Brawijaya Repository Universitas Brawijaya

Repository preparedness, but also the urban planning actors who should bear the task of Repository Repository Repository Repository

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Repository Universitas Brawijaya related to urban planning establishment of an early warning. Repository U Further, vulnerability assessment is crucial as part of an early warning system and should enable the support of long-term infrastructures and planning Reposit for disaster risk reduction. The implementation of early warning cannot be seen Reposit as the final goal of an early warning; rather, it as a trigger long-term action for Reposit disaster risk reduction in wider sense Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Figure 8 2: Tsunami Early Warning systemitas Brawijaya Repository Universitas Brawijava Repository Repository Repository Repository Repository Repository Repository **OBU Manage** Repository Repository Repository Repository Repository GEOLON MTS - RS232 III Repository Repository Repository Gauge Repository Geophone Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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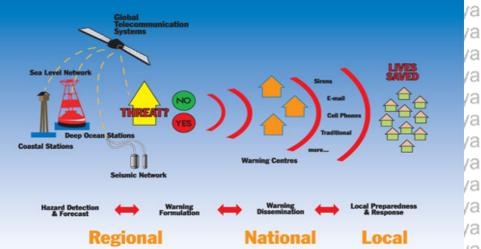
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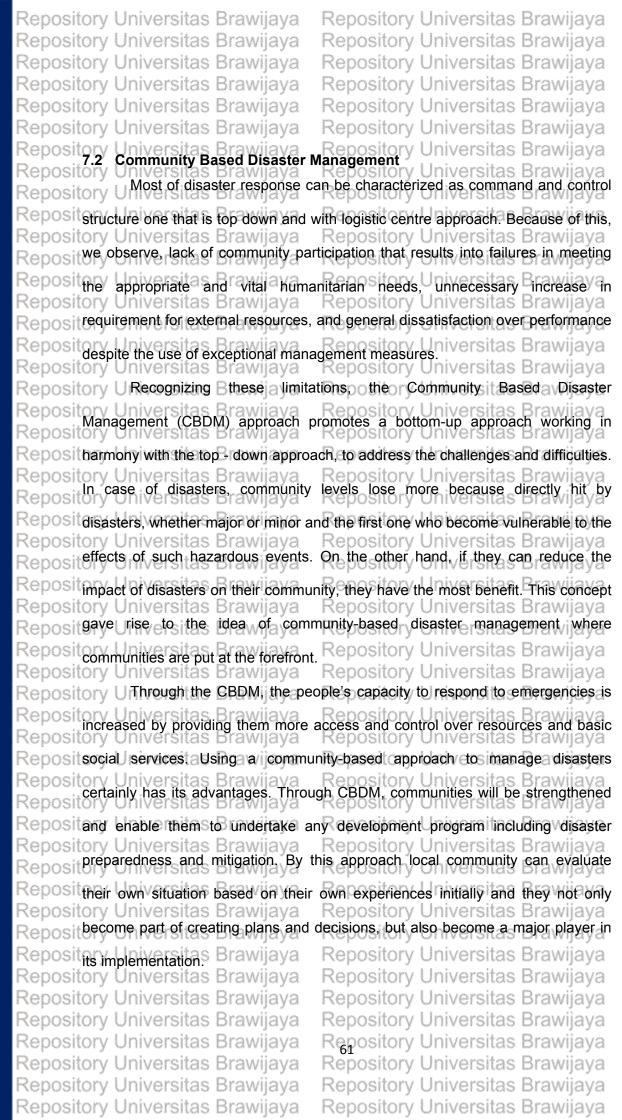
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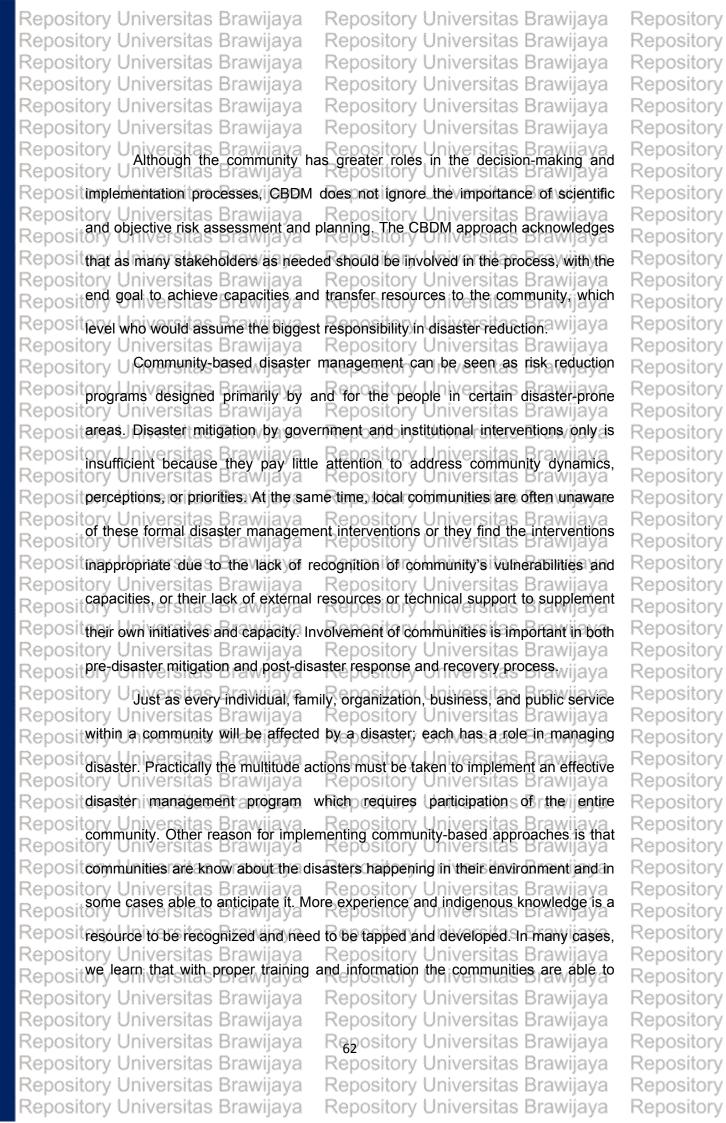
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Repository Universitas Brawijaya Repository Universitas Brawijaya safeguard and minimize the disaster risks. It is essential to strengthen local Repository Universitas Brawijaya Repository Universit

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Over the last two decades there has been a growing realization that Repository Universitas Brawijaya Repository Universitas Brawijaya disaster management is most effective at the community level where specific local needs, resources, and capacities are met. It is at the local level that the

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

Repository assessed and managed. Some initiatives in this direction have come up in recent

Reposityears. For the last four years, the Asian Disaster Preparedness Center (ADPC)

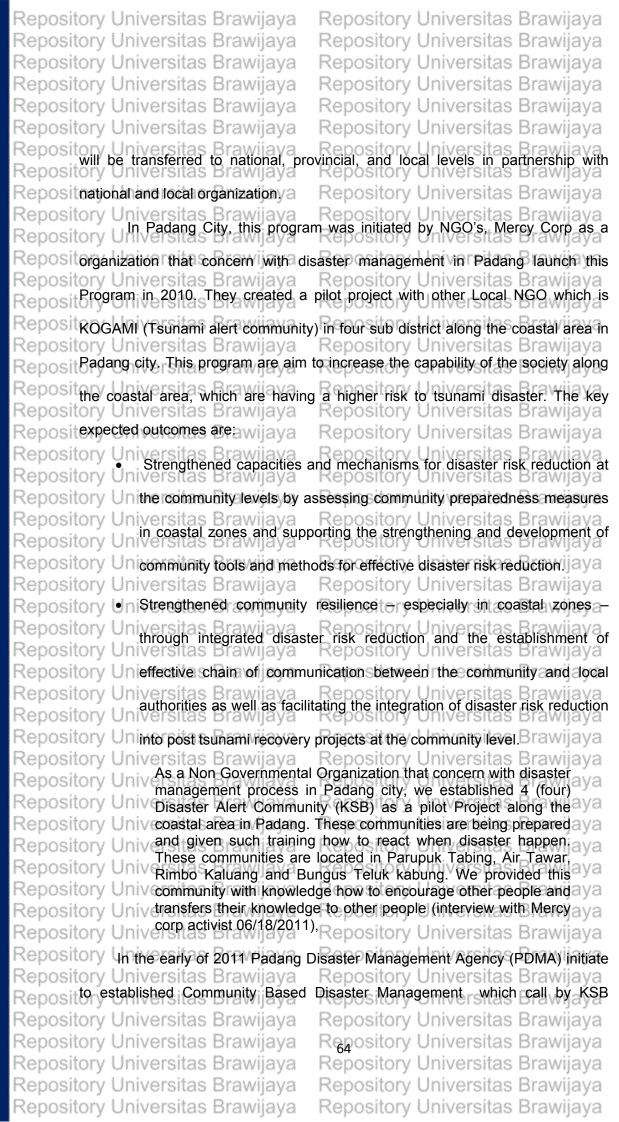
Repository Universitas Brawijaya
has been holding regional and national training program on "community-based Repository Universitas Brawijaya"

Reposit approaches to disaster management". In the coming years this training activity

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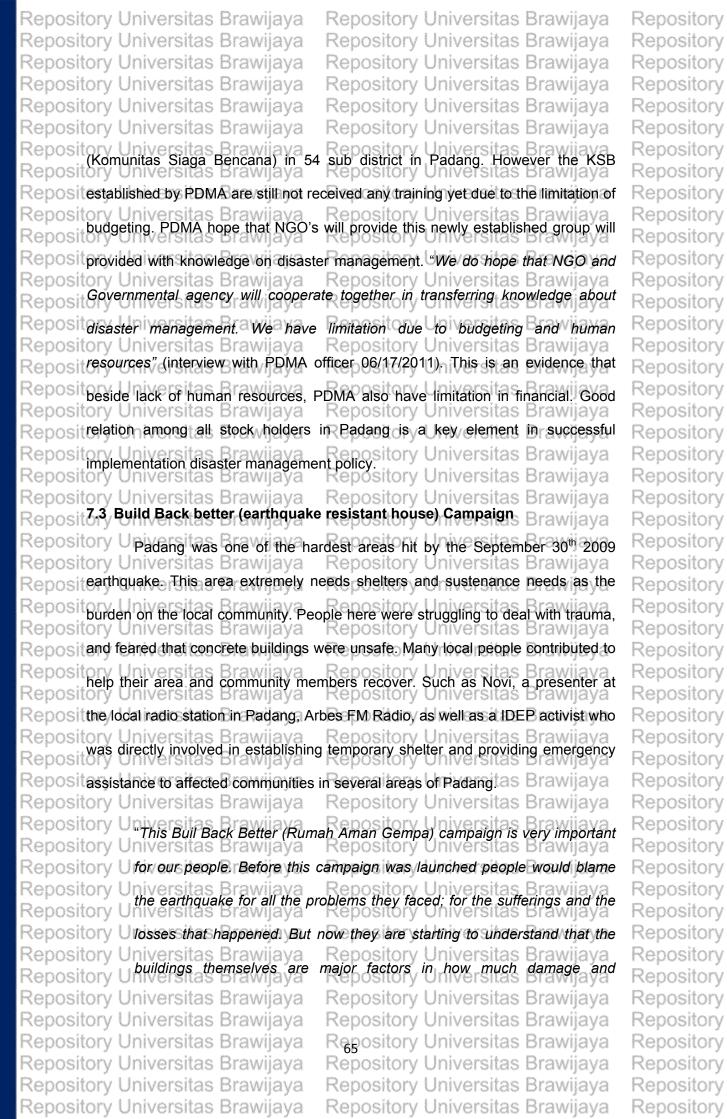
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while others stayed standing. They surveyed Reposit more than 4,000 buildings and found many of the houses that were destroyed Repository Universitas Brawija Repository Universitas Brawijaya

used basic earthquake-safe building practices. Universitas Brawijaya

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Reposito **CAN GEMPANYA** Reposito Reposito Reposito Jagalah **keselamatan** Anda dengan Reposito membangun rumah aman gempa Reposito Reposito Reposito Reposito Reposito Reposito

## "BUILD BACK BETTER" CAMPAIGN

Repository Universitas Brawija Repository Universitas in message to

Repository Universitas Brawijaya the public has been 'It's really not the

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Repositearthquakes we should be worried about, but how but how much attention we Repository Universitas Brawijaya Repository Universitas Brawijaya Reposition pay to our building constructions" (interview with Novi, IDEP activist 06/12/2011).

Reposi Through media, the Build Back Better campaign tells people where they can get Repository Universitas Brawijaya Repository Universitas Brawijaya

Reposit information on how to build better; for example, small modifications such as slightly

Reposit thicker steel and better foundations can make an enormous difference to the safety

Repository Universitas Brawijaya Repositor building rsitas Brawijaya Repository Universitas Brawijaya

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When the ground shook on that late Wednesday afternoon at about 5:16, people in Padang knew this earthquake was stronger than any other tremor they had experienced before. The shaking lasted for more than a minute, many buildings collapsed immediately and burying hundreds who could not find their way out. Not able to stand, those already outside got down on the ground and waited for the shaking to end. Power was out almost immediately, followed by the failure of cellular networks when people tried to reach their relatives and friends.

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Repository Within a minute Padang descended into chaos.

After the shake stopped, the streets of Padang filled with people in shock

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Reposition streets on foot to look for their families. At the same time there was another Reposit thought: the fear that the earthquake had caused a tsunami that would already be

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Reposit of awareness of the hazard, understanding of evacuation procedures, capability

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Reposit West Sumatra, and especially in the populous city of Padang, where estimated

Repositivate arrival times of local tsunami waves are short, immediate reaction to ground Repository Universitas Brawijaya

Repositshaking is a key to save lives aya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Figure 8.5: Community reaction after Earthquake

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Repository Universitas Brawijaya Reposit Source: Kominfo Kota Padang

Repository Universitas Brawijaya Repository Upeople were scared and in panic. They mainly escaped on motorbikes Repository Universitas Brawijaya Repository Universitas Brawijaya

Reposit and in cars. There was massive traffic congestion. Many accidents occurred. The

designated evacuation routes were not sufficient to channel the masses. For Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi some people, the congested roads were a reason not to evacuate. In none of the

Repository interviews, the possibility of vertical evacuation, i.e. to high buildings, was

Reposit mentioned. Apparently, people do not consider vertical evacuation an option.

Repository Universitas Brawijaya Evacuation proceeded only as a horizontal movement away from the coast and

Reposit direction inland to the safer places or evacuation site provided before. The fact

that people were headed towards the sea, while others were on their way inland

Reposit created even more difficulties for evacuation and increased the chaos. In some Repository Universitas Brawijaya Repository Universitas Brawijaya Repositareas, these traffic conditions continued up until about 3-4 hours after the

Repository I Iniversitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Figure 8.6: Traffic Repository Universitas

Repository Universitas Brawijaya Jam (After the Earthquake)

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Reposit Source: Kominfo kota Padang ya Repository Universitas Brawijaya

Repository Based on that experience, Mercy Corp and local government provided the Reposit society with the evacuation plan including information on the evacuation scheme, Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit access to information and procedures. The official evacuation plan (and map) for Repository Universitas Brawijaya Repository Universitas Brawijaya at Repository Universitas Brawijaya

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Reposi neighborhood level that will help the people at risk of a future tsunami event to know where they get information from and to determine where to go to in case of Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijaya, Figure 8.7 Repository Universitas Braw

Repository Universitas Brawijaya Evacuation Route

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Repository Universitas Brawijaya Reposit Evacuation Map of Padang City a RepositSource: GITEWS Project wijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository U Evacuation of people in risk areas is the first priority once a tsunami early

Repository University Braying value Repository University Braying and/or natural Repository University Braying and Province Repository Braying warning signs indicate the possibility of

Repositsunami. As the available time span between a warning and the impact of

Repository Universitas Brawii as generally very short, all necessary preparations

Reposit need to be made in advance to ensure evacuation for as many people as Repository Universitas Brawijaya Repository Universitas Brawijaya Repository bliversitas Brawijaya Repository Universitas Brawijaya

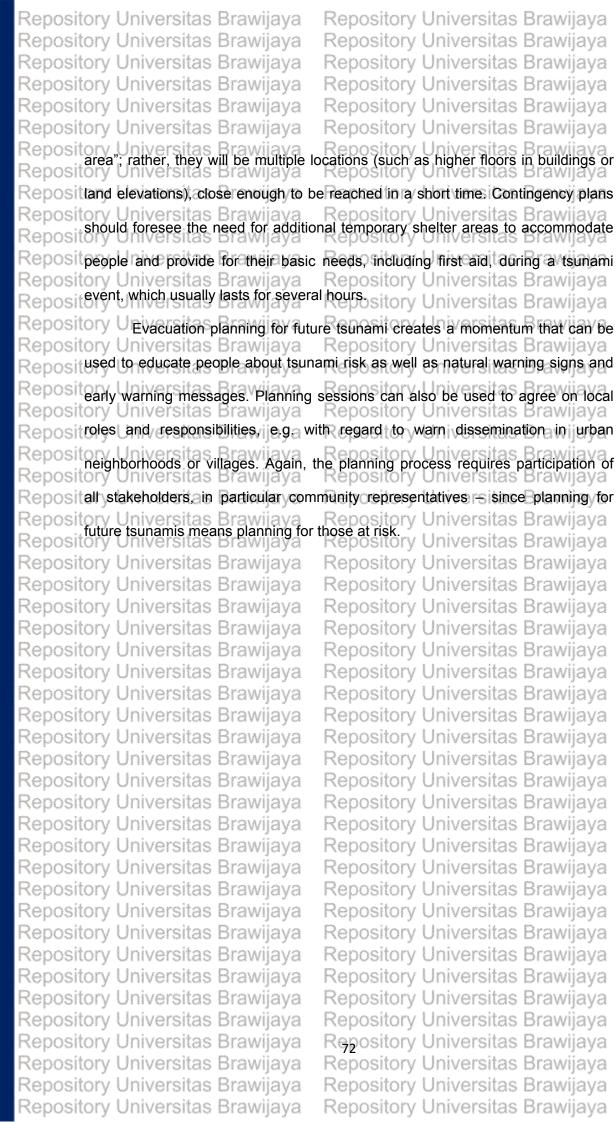
Repository Unhe primary objective of tsunami evacuation plansis to get as many Repository Universitas Brawijaya Repository Universitas Brawijaya

Reposit people as possible out of the reach of the waves to a "safe" or "relatively safe"

Repositarea. "Relatively safe" areas are not necessarily located outside the inundation Repository Universitas Brawijaya Repository Universitas Brawijaya

Repositarea and are unlikely to take the form of a single, central "temporary shelter

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Repository Universitas Brawijaya Repository Universitas Brawija Repository Universitas Brawijaya Repository Universitas Brawijaya early warning messages. Planning sessions can also be used to agree on local Repository Universitas Brawijaya neighborhoods or villages. Again, the planning process requires participation of Repository Universitas Brawijaya Repository Universitas Brawijaya



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Repository Universitas Brawijaya Management (BNPB) and military provide backup when requested. However, Reposit nationally-formulated policies have not created systemic changes at local levels, Repository Universitas Brawijava enository Universitas Brawijay there seems to be a strong sense of dependency on the national government to Reposit provide the necessary support, where the local government lacks capacity and Repository Universitas Brawijaya Repository Universitas Brawijaya Repository urces versitas Brawijaya Repository Universitas Brawijaya Repository Upparently many local governments are reluctant to use their budgets for Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit disaster management. This may place a strain on resources at the national level, especially for responses when multiple disasters in different provinces occur Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit simultaneously. Local communities need to become less dependent on the national government for assistance and local governments also need to allocate Reposi larger portion of their budget for disaster management. Building local capacity is Repository Universitas Brawijaya Repository Universitas Brawijaya vital and thereby ensures more effective responses to disasters. Indonesia's risk Reposito multi-hazard disasters is increasing. Therefore, Indonesia must improve its Repository Universitas Brawijaya Repository Universitas Brawij capacity for recovery, rehabilitation and reconstruction from current disasters in Repository Universitas Brawijaya Repositorder to mitigate future risks, aya Repository Universitas Brawijava Repository Universitas Brawijava Repository Un PDMA's yearly activity plan, there is no kind of training to improve their Reposit capability on disaster management even though admitting that their human Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit resources need to be improved. Repository Universitas Brawijaya Repository Universitas which responsible for the poor performance of the Repositinstitutions on their statutory responsibilities, indicated that the institutions Repository Universitas Brawijaya Repository Universitas Brawijaya Repositifacing challenges of inadequate funding, lack of adequate human resources, operational equipments and as well as absence of appropriate Reposit legislations and sharmonized national emergency systems linethe city. Repository Universitas Brawijaya Repository Universitas Brawijaya RepositThese create communication and collaboration barriers among disaster ository Universitas Brawijay Repository Universitas Brawijaya and urban development experts, Repository Onlyers tay Brawlaya Repository Universitas Brawijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository University Brawley and furthermore weakened the capacity of public institutions to formulate and Repositimplement appropriate vulnerability reduction policies and programs in line Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit with the development needs, a Repository Universitas Brawijaya Repository Universitas Brawiiava Repository Universitas Brawijaya Repository Padang Disaster Management Agency (PDMA) recently established Reposit with limited staff and institutional capacity. The staffs are those who Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi previously worked in other government agencies and have no experience Repository Universitas Brawijaya Repository Universitas Brawija Repositin managing disasters, including but not limited to, coordinating other government agencies and other stakeholders (NGOS, community and Repository Universitas Brawijaya Reposit private is sector) a in Eemergency response t and L disaster trehabilitation or Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi preparedness efforts. In one hand they have authority and in charge to coordinate implementation of planned, coordinated, and comprehensive Reposit disaster management activity, as stipulated in Article 20 by Law 24/2007. Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit But, in other hand they have limited capacity. While the staff limitation is Repository University Braying Repository University Braying Repository Management, institutional Reposit capacity limitation is reflected by the absence of chart of accounts for Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit disaster management, emergency, and preparedness for PDMA in the Repository Universitas Brawijaya Repository of PDMA Brawijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas

Repository Universitas Brawijaya Figure 9.1 Framework of Early Recovery Network

Reposite Reposite WEST SUMATRA RECOVERY NETWORK BNPB Reposite COORDINATION AND SUPPORT STRUCTURE Reposite **GOVERNOR** Reposite Reposite Reposite **BPBD** Reposite Reposite **BAPPEDA** Reposite Reposite Recovery Network Reposite Reposite Reposite WORKING **GROUPS** Reposite Reposite Reposite Reposite Reposite PADANG PARIAMAN KOTA PARIAMAN PESISIR SELATAN PASAMAN BARAT BAPPEDA BAPPEDA Reposite BPBD Reposite Reposite

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Chiversitas Brawijaya Repository Chiversitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repositor U Lack of Coordination Repository Universitas Brawijaya

The lack of data and valid information from the 2007 earthquake response facing by Disaster Management Agency Padang has limited their capacity and energy to handle the early recovery process of beneficiaries affected by 2009 Reposite arthquake. In other words, there are a lot of 'home works' from previous disaster Reposi to catch up, while new home works from recent disaster continues to pile up. Reposit Additionally, social dynamic among people caused by the recent local elections

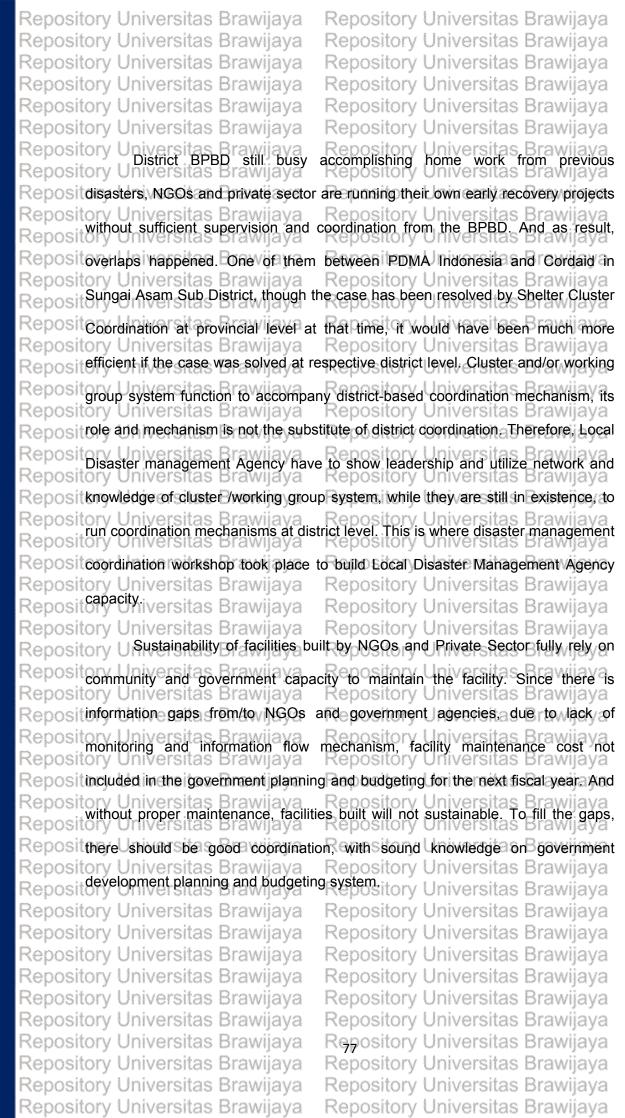
Reposition Management Agency (PDMA Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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drained attention and resources of all stakeholders, including Padang Disaster Repository Universitas Brāwijaya Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya Repository Universitas Brawijava Repository Universitas Brawijaya Reposit because it is the right thing to do.

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Repository Universitas Brawijava Reposition over resources. Nevertheless, it would be cynical to say that ethical norms are Repositive levant. Disaster Management is something that good leaders should do Repository Universitas Brawijaya It is defined as part of 'good governance' and, Reposit there is a legally binding 'duty to protect' articulated by international human rights

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Repositagreements rsitas Brawijaya Repository Universitas Brawijaya Repository United major challenge to implement disaster management policy is the Repository Universitas Brawijaya Repository Universitas Brawijaya

Repositestablishment of clear institutional arrangements and capacities at national and

local levels which support the development of public and institutional response

Reposit capability at the local level. Due to lack of information and national guidance, Repository Universitas Brawijava Repository Universitas Brawijaya

most local actors have limited understanding about Disaster Management, and Reposit often show little political will and priority to engage in implementation of disaster

Repository Universitas Brawijava Repository Universitas Brawijaya management. The often-limited capacity of local governments contrast with

Repositistrong engagement of NGO that have played roles as 'quasi-parliamentary', Repository Universitas Brawijaya Repository Universitas Brawijava

Reposit where they have been the drafters for local Disaster Management regulations,

Repositraining local governments and local politicians to draft good Disaster Repository Universitas Brawijaya Repository Universitas Brawijaya

Reposi Management regulations and as facilitators for Disaster Management knowledge

Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Ulin general, adequate public service delivery remains a challenge in

Padang, Disaster Management are often perceived as added burdens without

Reposit adequate additional resource allocation. Their priority lessen because of other

Repository Universitas Brawijaya Repository Universitas Brawijaya issues, such as poverty reduction and overall development, are perceive as more

Repositimportant than putting a huge effort into preparedness for "waves" that might not Repository Universitas Brawijaya Repository Universitas Brawijaya

Repositoccur in the near future awii ava Repository Universitas Brawijaya

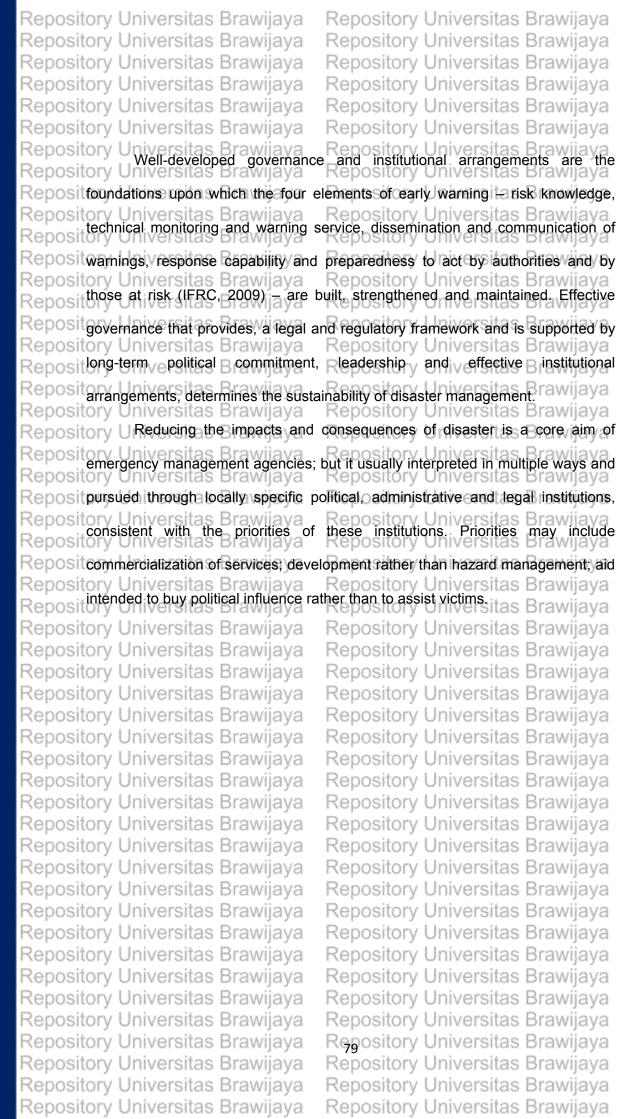
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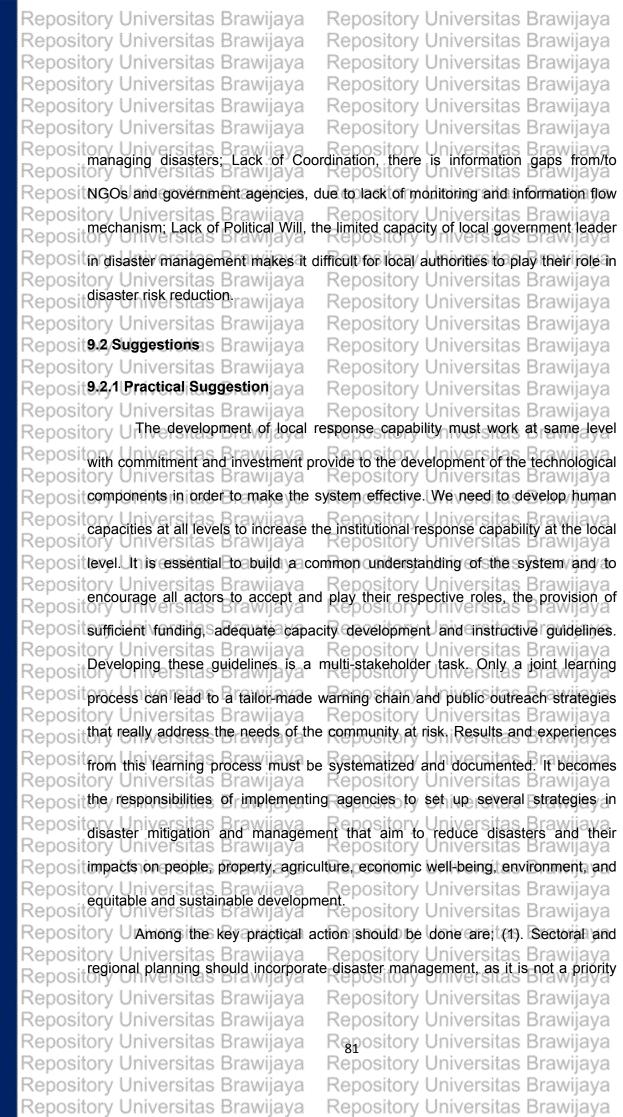


Repository Universitas Brawijaya and institutional arrangements are the epository Universitas Brawijaya technical monitoring and warning service, dissemination and communication of Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya but it usually interpreted in multiple ways and Universitas Brawijaya these institutions. Priorities may include Repository Universitas Brawijaya intended to buy political influence rather than to assist victims. Itas Brawijaya Repository Universitas Brawijaya

Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya<sub>CH</sub> Repository Universitas Brawijaya Repository Conclusionas Brawijaya Repository Universitas Brawijaya Repository UThis study has elicited the capability requirement for local government in managing disasters. Learning from the many experiences from developing Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi countries in their management of natural disasters, local government and the community must face the unexpected and the worst possible situation together. Reposit Local government learned that education, socialization and escape structures, Repository Universitas Brawijaya Repository Universitas Brawijaya warning systems, and wave-resistant structures are important factors in making Repository Universitas Brawijaya Reposit people safer from future disasters. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository From this analysis, it is important for local government to broaden issues Reposit about preparedness rather than only immediate responses to the disaster. The Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit physical and economic vulnerability of the community in disaster areas need to be adequately taken into consideration. Because the lack of disaster Repository Universitas Brawijaya Repository Universitas Brawijaya Reposi management capability, local government bodies have been forced into making information that may be inaccurate and decisions based on piecemeal Reposit incomplete. Coordination and collaboration between all levels of government play Repository Universitas Brawijaya Repository Universitas Brawijaya an essential function is a real issue, because these will assist in saving lives. Reposit Local government bodies have limited resources and expertise, while other levels Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit of government, organizations or agencies may have adequate resources. Repository Unimplementing disaster management policy there are several major Repository Universitas Brawijaya Repository Universitas Brawijaya constraining factors which are, Culture, West Sumatran tend to wait for proof of Repositivalue before following suit when it comes to change or innovation; Lack of Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit Capacity, The staffs of Padang Disaster Management Agency are those who previously worked in other government agencies and have no experience in Repository Universitas Brawijaya Repository Universitas Brawijaya

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Repository Universitas Brawijaya in the current national planning instrument. (2). Appropriate legislation should be Repository Reposit drafted that sprovides a financial resources for disaster spreparedness and Repository Universitas Brawijay Repository Universitas Brawija mitigation. Presently, parliamentarians endorse the development budget (3). Reposit Need for clear roles and responsibilities between agencies (4). Disaster Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit management is still government driven. More community based initiatives are Reposit needed. (5). Committed and capable personnel, supported with well-equipped Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit facility for coordination at every phase of the disaster management cycle. Repository Universitas Brawijaya Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit 9.2.2 Theoretical Suggestion/a Repository Universitas Brawijaya Repository Universitas Brawijaya Repository UA top-down approach in viewing disaster management tends to overlook Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit local resources that may have potential to build a disaster prevention or recovery Reposit program. But in some cases, this kind of approach also increases the Repository Universitas Brawijaya Repository Universitas Brawijaya Repositivulnerability of local people to disaster risks. Such gaps in disaster management efforts serve as lessons in creating a new and better approach. After evaluating ository Universitas Brawijaya Repository Universitas Brawijaya Reposit several possibilities and experiences in the field we concluded that a new risk Repository Universitas Brawijava Repository Brawijava Reposi Bottom up approach. In creating bigger roles for the people, the new approach Repository Universitas Brawijaya Repository Universitas Brawijaya shall be community-based and focus to encourage and invite more active Reposit participation from members of the community to propose ideas in the planning, Repository Universitas Brawijaya Repository Universitas Brawijaya Repositimplementation, and evaluation of the program. Stakeholders at various levels, Repositincluding the government, will work in a single, coordinated effort. Brawijaya Repository Universitas Brawijaya Repositheir hazardous conditions, vulnerabilities and capacities as they see themselves. Repository Universitas Brawijaya Repository Universitas Brawijaya Reposit This concept gave rise to the idea of community-based disaster management Repository Universitas Brawijaya Repository Universitas Brawijaya

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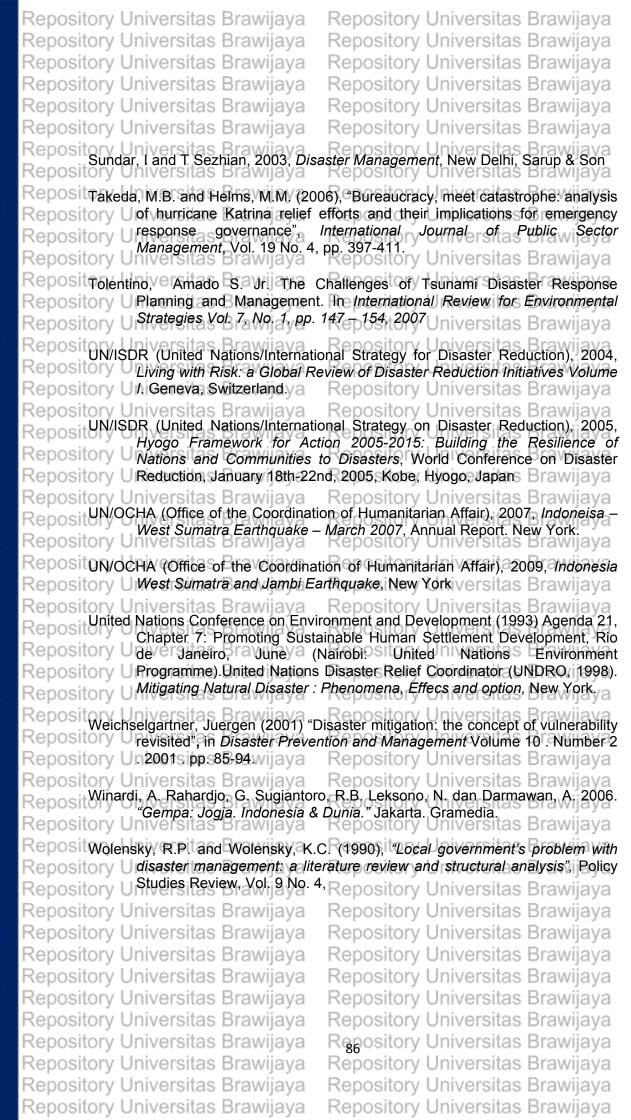
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