

# Disaster Preparedness In Malaysia An Exploratory Study

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*Disaster Preparedness In Malaysia An Exploratory Study*

OMB No. 4718195354236 edited by

**CAREY KAYLYN**

## FLOOD DISASTER MANAGEMENT IN MALAYSIA

Springer Nature

This book demonstrates lessons on a research work of pre and post-disaster planning with particular reference to housing by using qualitative research methodology. Regulators assume that enforcement is only restricted to the specification in regulations. Consequently, the trend in enforcement is towards prescriptive detail without any efforts to minimise loopholes in organisations' administration. Administration is human factors that may affect the decision-making capacity. The overall research objective is to determine the present attitudes of Malaysia's actors towards the implementation of the 'Policy and Mechanism on National Disaster and Relief Management'. The regulatory compliance to the Malaysia National Security Council MNSC directive 20 programme in this policy is a key focus. Gathered actors' perspectives in the implementation of regulatory compliance in all level of disaster management system in Malaysia helps to explain the reason of regulatory compliance failures. This Malaysian case study is an important example, not just for the country but the region as an example of a developing country icon.

### Improving Flood Management, Prediction and Monitoring

Springer Science & Business Media

This book aims to provide insight into how Southeast Asian countries have responded to disasters, recovered, and rebuilt. It investigates emergency response and disaster recovery cases at national levels and from regional perspectives. Recovery from great disasters poses great challenges to affected countries in terms of organization, financing, and opportunities for post-disaster betterment. Importantly, disasters are critical moments in which to achieve disaster risk reduction, especially in the context of climate change and Sustainable Development Goals. Insights from these cases can help other countries better prepare for response and recovery before the next disaster strikes. While the experiences of disaster risk reduction and climate change implementation in Southeast Asian countries have been well documented, tacit knowledge from emergency response and recovery from these countries has not been transformed into explicit knowledge. There are only a few books that integrate information and lessons from post-disaster governance in Southeast Asia as a region, and because of the importance of providing real and recent situations, this book will interest many policymakers, practitioners, and academics. The information presented here will lead to a better understanding of how to plan for future disasters and improve governance to ensure effective emergency response as well as encouraging a build back better and safer towards a more resilient and sustained recovery.

*Resilience and Recovery in Asian Disasters* Emerald Group Publishing

The rescue personnel deployed at the scene of disasters are susceptible to psychological consequences, which may affect the rescue team's response preparedness. SMART, being new to the search and rescue environment may also be subjected to these stressful consequences. This study is to determine the SMART's psychological preparedness based on Psychological Performance Profile developed by Asken (1993). The significant mean difference in psychological performance between the personnel of Bomba, Police and the Army that form the team is also identified.

The study is also to evaluate the personnel perception of their level of confidence in performing various search and rescue operations. A total of 81 out of 85 SMART personnel were requested to complete questionnaires which was then analyzed using Statistical Package for Social Sciences. Cronbach's Alpha was used to analyze the internal consistence reliability of the instrument. The mean of the psychological skill variables were tabulated and plotted on graph to determine the level of psychological preparedness. The study reveals that the team only attains a fair level of psychological preparedness i.e. at the level of 'no commendations coming yet' (Asken 1993). There are also a slight difference in the mean of psychological performance and confidence in performing search and rescue operations between the personnel of the three departments that from the team.

*Disaster Relief Management in Northern State of Peninsula Malaysia* Springer Nature

Since the 2004 Andaman Tsunami, we have been constantly reminded about the reported threats of earthquakes and tsunamis worldwide. The recent earthquake in Padang, Indonesia and the tsunami in Samoa Islands in 2009 as well as the large destructive earthquake in Haiti in 2010 reinforce the perceived threats. This timely series of the South China Sea Tsunami Workshop (SCSTW) was first organized by Academia Sinica Taipei, Taiwan on 5-7 December 2007 to promote community awareness and preparedness as well as scientific research on tsunami early warning systems and related hazards, hoping to achieve tsunami resilient communities. The Second SCSTW was organized by Shanghai Jiao Tong University on 1-3 December 2008 in Shanghai. This proceedings book contains a collection of 46 articles selected among 69 articles presented in the Third SCSTW held on 3-5 November 2009 in Universiti Sains Malaysia (USM), Pulau Pinang. This collection of selected articles explores a variety of issues related to tsunami as well as other natural disasters such as earthquakes, storm surge and landslide. The proceedings consists of two books, with the first book focusing on tsunami simulation for impact assessment, while the second book covers education, protection and preparedness to face tsunami and other natural disasters. The contributors of the articles in the proceedings come from differing academic and professional background including but not limited to engineering, mathematics, physics, biology, geography, environmental and marine sciences, sustainable studies, education, humanities and architecture. It is the fervent hope of the Editors that future SCSTWs will continue the tradition and aspiration of the past workshops. Universiti Sains Malaysia, Penerbit Universiti Sains Malaysia

### DISASTER PREPAREDNESS IN ACADEMIC LIBRARIES IN MALAYSIA

Emerald Group Publishing

Deals with the topic of Community Based Disaster Risk Reduction (CBDRR). This book provides an overview of the subject and looks at the role of governments, NGOs, academics and corporate sectors in community based disaster risk reduction. It examines experiences from Asian and African countries.

*Flood Disaster Management & Preparedness of Responding Agencies in Malaysia* Disaster Preparedness in Academic Libraries in Malaysia Academic libraries in Malaysia are still not prepared for disaster even though several occasions have been reported. The study sets out to assess the current status of preparedness in disaster management among Malaysian academic libraries in the

State of Selangor and the Federal Territory of Kuala Lumpur. To obtain a base level of knowledge on disaster preparedness of current practices, a questionnaire was distributed to chief librarians or their assignees in charge of disaster or emergency preparedness at 40 academic libraries and 34 responses were received. The study revolved around the current status of preparedness, on various issues including existence of disaster preparedness plan among academic libraries in Malaysia, disaster experiences by the academic libraries, funding, risk assessment activities and involvement of library staff in disaster management. Frequency and percentage tables were used in the analysis of the data collected. Some of the academic libraries under study have experienced one form of disaster or the other. Most of the academic libraries do not have a written disaster preparedness plan. The risk assessments and staff involvement in disaster preparedness by these libraries were generally adequate. Vulnerability, Social Capital and Disaster Preparedness Over the past years, Malaysia has encountered some from of natural disasters such as floods, droughts, tsunami, tropical storms etc. The diversity of disasters varies from small and localized to large scale devastation. The effects of disasters include loss of life, injury, misery and loss or damage to property. In all these emergency cases, rapid humanitarian response is essential for saving life and property.

LAP Lambert Academic Publishing

This book draws upon case studies and practices of different types of DRR involvement by the private sector from all over the world. The book comprises two parts, Part I: Overview and Regional Cases; and Part II: Country Cases. The regional cases include those from Africa, Asia, Europe, and Central America, and the country cases include ones from India, Japan, the United States, Vietnam, Thailand, Bangladesh, Malaysia, and Nepal. DRR at the international level is discussed from the perspective of the United Nations International Strategy for Disaster Reduction (UNISDR). The perspective of the Asia-Pacific Economic Cooperation (APEC) is presented in the discussion of DRR at the societal level. The private sector is becoming more active in disaster management and plays an important role in distributing relief items and sending search and rescue teams in the response phase. However, once the response stage is over, private sector involvement tends to fade. While a number of disaster risk reduction (DRR) initiatives by the private sector are documented, they remain limited. The private sector can contribute enormously to DRR by developing business continuity plans, innovating technology for early warning systems, and providing and sharing technical knowledge, skills, and resources in the field of disaster preparedness. To strengthen DRR capacity, it is crucial to involve the private sector as major actors in DRR. The primary target groups for this book are students and researchers in the fields of disaster management and DRR studies. Another target group comprises practitioners and policy makers, who will be able to apply the collective knowledge from this work to policy and decision making. The book provides an overview of the current research trends and furnishes basic knowledge on this important topic.

*Monograph of Safety and Disaster Management in Malaysia* Springer Nature

This volume presents chapters highlighting the methodologies and tools developed to improve flood management and flood risk reduction.

*Disaster Management Handbook* Emerald Group Publishing This research focused on pre and post-disaster planning in

Malaysia since the adoption of the Hyogo Framework for Action (HFA) 2005?20 15 and national Vision 2020. A review of the existing research and practice in Malaysia including the structure and attitude of government officers at central and local authorities to risk was the starting point. The regulatory compliance to the Malaysia National Security Council MNSC Directive 20 programme is a key focus. The MNSC Directive 20 exists as the important core of disaster regulation in Malaysia but the implementation is not according to plan and regulatory compliance was low. Failures in regulation and compliance were identified as the key vulnerability and disaster causes in Malaysia. The beneficiaries were actually unaware of non-compliance that exposed them to hazard. In general, the more developed Asian economies, of which Malaysia is one, have not devoted much attention to pre-disaster planning despite a rapidly growing capital stock of buildings including public and private housing. Although the Asian Development Bank has provided templates for pre-disaster planning, the uptake has been slow. This Malaysian case study is an important example, not just for the country but the region. The aim of this research is to highlight shortfalls in provision, training and awareness, and to recommend ways of improvement. Gathered actors' perspectives in the implementation of regulatory compliance in all level of emergency management system in Malaysia helps to explain the reason of regulatory compliance failures. Measuring their attitudes towards regulatory compliance reveals actual commitment because regulatory compliance would require making changes to existing barriers in the administrative environment. These changes would have to be based, to a large extent, on how actors' perceived and judged the benefits of regulatory compliance implementation. The research uses both quantitative and qualitative methods together that involved 484 respondents. They have broadly negative general attitudes towards regulatory compliance, arguing that currently too many barriers are present in department levels to make regulatory compliance implementation straightforward. They need informative advice and guidance to enable them to see the very probable societal benefits that can lead towards regulatory compliance development. The research concludes by categorising obstacles that need to be overcome, to encourage actors to accept regulatory compliance and recommends changes to department structures, systems and practices prior to regulatory compliance implementation.

*Science and Technology in Disaster Risk Reduction in Asia* Emerald Group Publishing

This disaster management reference is designed to provide decision makers, planners and responders a comprehensive understanding of in-country disaster management plans and structures, including information on key domestic disaster response entities, basic country background, and local and international humanitarian organizations present in the country. Many places in the Pacific Basin are subject to a variety of disasters including floods, droughts, and landslides, and this reference provides a context for country-specific factors that influence disaster management.

**Psychological Preparedness of Special Malaysia Assistance and Rescue Team (smart) for Disaster Response** Springer

This book addresses increasing concerns regarding the relationship between social capital and disaster, highlighting conceptual definitions related to social capital and disaster, family, community, vulnerability, disaster experience, and preparedness. Focusing on a contemporary case of disaster management in Malaysia, the authors explore and establish linkages between the level of social capital and disaster preparedness among the indigenous Orang Asli people. Taking the case of the Orang Asli families as a point of departure, the book presents solutions for mobilizing social capital for disaster preparedness through multi-stakeholder involvement, promoting participation in awareness programs, ensuring indigenous people's access to resources, and proposing a prioritization of local values and culture in enabling proper planning and coordination for more disaster-resilient communities in Malaysia, Southeast Asia, and beyond. The book is broadly relevant to cases in similar economic settings where indigenous people are lagging behind in disaster preparedness. An excellent resource for

sociologists, this pioneering book collates various concepts and theories relating to social and ecological networks and systems, family resilience, and stress and coping mechanisms. It is relevant to researchers focused on disasters in developing countries, globally, particularly those focused on indigenous communities.

*Advances in Visual Informatics* Academic Press

This book focuses on land and disaster governance in Asian countries. The Asian region has become increasingly vulnerable to natural disasters, including floods, cyclones, storms, earthquakes, drought, typhoons and tsunamis. Further, as a result of unsustainable changes being made in patterns of land use, catchment and coastal zones, increasing population density, migration patterns, and the spread of consumer culture across countries, the impact of natural disasters has increased manifold. The book addresses two major concerns in this field. Firstly, it discusses topics intended to raise awareness among all stakeholders of the critical aspects of disaster management in the context of Asia. Secondly, it calls upon policymakers, researchers, academics, practitioners, private enterprises and civil society organizations, as well as all those who have been, are and will be affected by natural disasters to search for innovative and novel approaches to reducing risk and managing disasters.

*Disaster Management* Penerbit USM

*Disaster Preparedness in Academic Libraries in Malaysia*

*Enforcement, Regulatory & Compliance* Springer Nature

This book constitutes the refereed proceedings of the 6th International Conference on Advances in Visual Informatics, IVIC 2019, held in Bangi, Malaysia, in November 2019. The 65 papers presented were carefully reviewed and selected from 130 submissions. The papers are organized into the following topics: Visualization and Digital Innovation for Society 5.0; Engineering and Digital Innovation for Society 5.0; Cyber Security and Digital Innovation for Society 5.0; and Social Informatics and Application for Society 5.0.

*Disaster Planning and Preparedness in the Hotel Industry* CRC

Press

Record breaking hurricane seasons, tornados, tsunamis, earthquakes, and intentional acts of mass-casualty violence, give lie to the delusion that disasters are the anomaly and not the norm. Disaster management is rooted in the fundamental belief that we can protect ourselves. Even if we cannot control all the causes, we can prepare and respond. We

#### **A CONCEPT STUDY ON COMMUNITY-BASED DISASTER MANAGEMENT SYSTEM IN MALAYSIA**

United Nations

The existence of Malaysia Institute of Nuclear Technology (MINT) is mainly for the purpose of research and development. This involves minimum risk compared to the other industrialized reactors around the world. The Chernobyl incident has created concern towards nuclear safety. The objective of this work is to evaluate the level of preparedness of the public and the availability of the facilities in facilitating the emergency response in MINT surrounding areas. A survey for nuclear related emergency response and preparedness was conducted to determine the level of compliance and knowledge of the fire and Rescue department, Police Force and Medical Responders. Result showed that the level of compliance of these emergency responders was very poor (57% of the respondents at level 1 out of 5). Limited equipment related to nuclear incidents is available at the related emergency responders stations and offices nearby MINT.

**Crowdsourcing for Disaster Preparedness** Springer

This book establishes a new, holistic framework for disaster recovery and mitigation, providing a multidisciplinary perspective on the field of risk management strategies and societal and communal resilience. Going beyond narrow approaches that are all too prevalent in the field, this work builds on an optimum combination of community-level networks, private market mechanisms and state-based assistance strategies. Its chapters describe best practices in the field and elucidate cutting-edge research on recovery, highlighting the interaction between government, industry and civil society. The book uses new data from a number of recent disasters across southeast and east Asia to understand the interactions among residents, the state, and catastrophe, drawing on events in Malaysia, Vietnam, Cambodia,

Japan, China and Thailand. Grounded in theories of risk mitigation and empirical research, the book provides practical guidance for decision makers along with future research directions for scholars. The Asian region is highly prone to natural disasters which devastate large and mostly poor populations. This book deals with some of the root issues underlying the continued vulnerability of these societies to catastrophic shocks. The book is unusual in that it comprehensively covers resilience and fragilities from community levels to market mechanisms and governance and it analyses these issues in very different economic and structural settings. Recommended for development and disaster risk managers—without question. Professor Debarati Guha-Sapir Director, Centre for Research on the Epidemiology of Disasters (CRED); Professor, University of Louvain, Research Institute Health and Society.

*A Case Study of Collaborative Disaster Management in Malaysia* Springer

According to the present report, the recent Asian tsunami highlights the need to take migrant communities, both regular and irregular, into account when planning for natural disasters in order to ensure they are treated in accordance with the core principles of international human rights law and international humanitarian law. The report concludes that a number of measures need to be taken to ensure that migrants are fairly treated in the aftermath of a disaster, including the setting up of systems to monitor their immediate, medium and long-term well-being.

*The Need for Professional Training on Disaster Management in Malaysia*

Academic libraries in Malaysia are still not prepared for disaster even though several occasions have been reported. The study sets out to assess the current status of preparedness in disaster management among Malaysian academic libraries in the State of Selangor and the Federal Territory of Kuala Lumpur. To obtain a base level of knowledge on disaster preparedness of current practices, a questionnaire was distributed to chief librarians or their assignees in charge of disaster or emergency preparedness at 40 academic libraries and 34 responses were received. The study revolved around the current status of preparedness, on various issues including existence of disaster preparedness plan among academic libraries in Malaysia, disaster experiences by the academic libraries, funding, risk assessment activities and involvement of library staff in disaster management. Frequency and percentage tables were used in the analysis of the data collected. Some of the academic libraries under study have experienced one form of disaster or the other. Most of the academic libraries do not have a written disaster preparedness plan. The risk assessments and staff involvement in disaster preparedness by these libraries were generally adequate.

#### **NATIONAL POSITION PAPER FOR MALAYSIA TO BE TABLED AT THE NATURAL DISASTER PREPAREDNESS SEMINAR**

Civil society organizations (CSOs) have played important roles over the years in the disaster field. Starting from the traditional approach of response and relief, the emphasis has gradually shifted to disaster risk reduction. From international nongovernmental organizations (NGOs) to national and local NGOs, all stakeholders have recognized the significance of and need for community-based risk reduction. In their different capacities they have endeavored to establish links to the policy options at the local and national levels. There still are many issues that remain untouched by CSOs, however, and local CSOs face special challenges in resources in terms of human, financial, and technical issues. Drawing examples from Asia, this book is structured on the roles of CSOs according to the Hyogo Framework for Action priority areas: policy making, risk assessment, education and training, underlying risk factors, and response-recovery. The primary target groups for this book are students and researchers in the fields of environment, disaster risk reduction, and climate change studies. The book provides a clear view of the current trends of research in the field and furnishes basic knowledge on these important topics. Another target group comprises practitioners and policy makers, who will be able to apply the knowledge collected here to policy and decision making.

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