

**UNIVERSITI SAINS MALAYSIA
GERAN PENYELIDIKAN UNIVERSITI PENYELIDIKAN
LAPORAN AKHIR**

**HEALTH AND SAFETY: VULNERABLE ELDERLY: EXPLORING THE
PSYCHOLOGICAL NEEDS, MITIGATION BEHAVIOURS AND
RESILIENT IN POST DISASTER**

PENYELIDIK

PROFESOR MADYA DR. ASRENEE BT. AB. RAZAK

PENYELIDIK BERSAMA

**PROFESOR MADYA DR. AZIDAH BT. ABDUL KADIR
PROFESOR MADYA DR. JUWITA BT. SHAABAN
DR. SHARIFAH ZUBAIDIAH SYED JAAPAR**

2017



KEMENTERIAN
PENDIDIKAN
MALAYSIA

FINAL REPORT
GERAN PENYELIDIKAN PENGURUSAN BENCANA BANJIR
Laporan Akhir Skim Geran Penyelidikan Fundamental (FRGS)
Tahun 2015

A RESEARCH TITLE: Vulnerable elderly: Exploring the psychological needs, mitigation behaviours and resilient in post disaster.

YEAR: 2015

THEME CODE: 1.0
(Please refer attachment)

SUBTHEME CODE:

Please Tick (✓)

PHASE: 01: Pre-Disaster

02: During
Disaster

03: Post-Disaster

AREA: 01: Preventive

02: Preparedness

03: Rescue and Recovery

04: Adaptation

05: Mitigation

START DATE: 1 April 2015

END DATE: 30 April 2016

PROJECT LEADER: DR ASRENEE AB RAZAK
IC / PASSPORT NUMBER: 721128035342

PROJECT MEMBERS: 1. : 1. PROFESOR MADYA DR. AZIDAH BT ABDUL KADIR,
2. PROFESOR MADYA DR. JUWITA BT SHAABAN,
3. DR. SHARIFAH ZUBAIDIAH SYED JAAPAR

(including GRA/RARO)



PROJECT ACHIEVEMENT (Prestasi Projek)

ACHIEVEMENT PERCENTAGE			
Project progress according to milestones achieved up to this period	0 - 50%	51 - 75%	76 - 100%
Percentage (please state #%)			100%
RESEARCH OUTPUT			
Number of articles/ manuscripts/ books (Please attach the First Page of Publication)	Indexed Journal		Non-Indexed Journal
			1 (a chapter in book – in review)
Conference Proceeding (Please attach the First Page of Publication)	International		National
			3
Intellectual Property (Please specify)			

Number and title of Policy Paper / SOP / Technology Solution (Please specify)	1.
	2.
	3.

HUMAN CAPITAL DEVELOPMENT					
Human Capital	Number				Others (please specify)
	On-going		Graduated		
Citizen	Malaysian	Non Malaysian	Malaysian	Non Malaysian	
No. PHD STUDENT					
Student Fullname: IC / Passport No: Student ID:					
No. MASTER STUDENT	1				
Student Fullname: IC / Passport No: Student ID:	Dr Nurul Nadia Ismail I/C:811108016004 ID: PUM0073/13				
No. RA/RO					
Student Fullname: IC / Passport No: Student ID:					
Total	1				

EXPENDITURE (Perbelanjaan) - Belanja K1 (RM)

C	Budget Approved (Peruntukan diluluskan)	: RM 48,250.00
	Amount Spent (Jumlah Perbelanjaan)	: RM 45,922.11
	Balance (Baki)	: RM 2,327.89
	Percentage of Amount Spent (Peratusan Belanja)	: 95.18 %

ADDITIONAL RESEARCH ACTIVITIES THAT CONTRIBUTE TOWARDS DEVELOPING SOFT AND HARD SKILLS (Aktiviti Penyelidikan Tambahan yang menyumbang kepada pembangunan kemahiran insaniah)

D	International		
	Activity	Date (Month, Year)	Organizer
	(e.g. Course/ Seminar/ Symposium/ Conference/ Workshop/ Site Visit)	1. Technology and Applications for Disaster Management International Conference 2015 2. THE 2ND INTERNATIONAL SOCIAL WORK CONFERENCE 2015 (ISSW 2015)	Astroteknik Technology, M. S. Binu Institut Sosial Malaysia and USM
	National		
	Activity	Date (Month, Year)	Organizer
	(e.g. : Course/ Seminar/ Symposium/ Conference/ Workshop/ Site Visit)	1. Series of Psychological First Aid Training of the Trainers for medical/hospital staffs (Mei and Oct 2015)	1. USM 2. Majlis Agama Islam Kelantan

	2. Series of Psychological First Aid Training for IMAM and community leaders in Kelantan (April – May 2015) 3. Forum kesihatan Mental (Oct 2015)	3. Persatuan Perubatan Psikologi Kelantan
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E PROBLEMS / CONSTRAINTS IF ANY (Masalah/ Kekangan sekiranya ada)

No


F RECOMMENDATION (Cadangan/ Perambahbaikan)

Longer duration of grant would allow more publications in high impact journals.

G RESEARCH ABSTRACT – Not More Than 200 Words (Abstrak Penyelidikan – Tidak Melebihi 200 patah perkataan)

The elderly are vulnerable to psychological sequels after disaster. In order to understand the disastrous impact on elderly psychological wellbeing, an exploratory mixed method research approach was employed in the worst hit area of 2014-Malaysian flood disaster. 156 elderly aged 60 and more, were interviewed with post flood survey, Malay Geriatric Depression Scale (M-GDS15), Malay Impact Event Scale- Revised (M-IES-R) and WHOQoL-BREF. Three focus group discussions were done to explore resilient factors. The quantitative data were analyzed using Pearson correlation and multiple linear regression analysis and qualitative data with thematic analysis. Triangulation was done to generate final result. Result showed 35.30% experienced traumatic stress, 41.29% depressive symptoms with 23.20% fulfilled criteria for major depression. Depression was associated with low education level and no previous history with a flood. Younger old age and sustained physical injury during flood were negative predictors for traumatic stress, and the duration of involvement with flood predicts the behavioral distress. Majority (94.90%) perceived good QoL. Depression is moderately correlated with post-traumatic stress ($r = 0.342, p < 0.001$), but negatively correlated with level of QoL in physical wellbeing ($r = -0.445, p < 0.001$) and psychological status ($r = -0.440, p < 0.001$). Themes related to psychological sequels were unpreparedness and low risk perception. The community cohesiveness and communal help emerged as resilient themes strengthen the positive attitudes, emotion regulation and spirituality. Therefore the communal factors are recommended to be empowered in the disaster preparedness measures.

Date : 9 June 2016
 Tarikh


 Project Leader's Signature:
 Tandatangan Ketua Projek

H COMMENTS, IF ANY/ ENDORSEMENT BY RESEARCH MANAGEMENT CENTER (RMC) (Komen, sekiranya ada/ Pengesahan oleh Pusat Pengurusan Penyelidikan)

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