

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

**GOVERNANCE FOR DISASTER RISK REDUCTION: EXPLORING
EMOTIONAL DISTRESS AND RESILIENCE IN ADOLESCENT
AFFECTED BY FLOOD IN KELANTAN AND THE DEVELOPMENT
OF PEER SUPPORT GROUP FOR TRAUMA MODULE**

PENYELIDIK

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2017

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					
Student Fullname: IC / Passport No: Student ID:					
No. RA/RO	1				
Student Fullname: IC / Passport No: Student ID:	Nurul Ilyani Bt Azahar 921116- 03-6432				
Total	1				

B EXPENDITURE (Pembelian) as Boleh (RMB)

C Budget Approved (Peruntukan diluluskan) : RM 65,600
Amount Spent (Jumlah Perbelanjaan) : RM 46,785.00 (sehingga 30 April 2016)
Balance (Baki) : RM 18,815.00
Percentage of Amount Spent : 71 %
(Peratusan Belanja)

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

International		
Activity	Date (Month, Year)	Organizer
<p>(e.g. : Course/ Seminar/ Symposium/ Conference/ Workshop/ Site Visit)</p>		
National		
<p>(e.g. : Course/ Seminar/ Symposium/ Conference/ Workshop/ Site Visit)</p>		
	BENGKEL PEMBENTANGAN MODUL KESEJAHTERAAN MENTAL UNTUK KUMPULAN SOKONGAN RAKAN SEBAYA TARIKH: 4-5 JUN 2015	USM (Research team)
	BENGKEL PEMURNIAN MODUL KESEJAHTERAAN MENTAL TARIKH: 23-25 JULAI 2015	USM (Research team)

E	<p>PROBLEMS / CONSTRAINTS IF ANY <i>(Masalah/ Kekangan sekiranya ada)</i></p> <p>Time to conduct research was very short and upon grant approval and receiving budget, it was already 6 months post disaster</p>
F	<p>RECOMMENDATION <i>(Cadangan Penambahbaikan)</i></p> <p>Need more time to proceed further with the implementation of the module</p>
G	<p>RESEARCH ABSTRACT – Not More Than 200 Words <i>(Abstrak Penyelidikan – Tidak Melebihi 200 patah perkataan)</i></p> <p>Background: Natural disaster such as flooding can lead to a combination of physical, health and psychological trauma in both adults and children. This study was conducted to assess the factors associated with psychological trauma among school children affected by flooding which occurred in Kelantan in 2014. Methods: A validation study of the Malay version of Sense of Coherent (SOC-M) and Trauma Screening Questionnaire (TSQ-M) was conducted in the first phase. In the second phase, a cross-sectional study was conducted among school children using SOC-M and TSQ-M as well as a questionnaire for socio-demographic, flood experiences and consequences. Statistical Package for the Social Sciences (SPSS) version 22 was used to perform data analysis using descriptive, independent t test, Pearson correlation and linear regression analysis. Results: From 160 participants, 86 (53.8%) were male and 74 (46.3%) were female. The mean score of TSQ-M was 2.81 (SD=1.70) and for SOC-M was 48.58 (SD=9.02). Four factors were found to be associated with trauma score, including female gender (p=0.047), moving from home during the flooding (p= 0.013), having difficulty after the flood in relation to schooling and living (p=0.024) and the place to stay after the flood regards to home and property damage (p=0.005). There was a negative correlation between TSQ-M score and SOC (r=-0.23, p=0.003). Further analysis using multiple linear regression found that moving from house (p=0.016), places to stay after the flood (p=0.009) and SOC-M (p=0.002) were significantly associated with trauma score. In conclusion, the findings of this study were comparable with other studies in other countries.</p> <p>Keywords: Flood, Psychological impact, resilient, Children</p>