

11TH INTERNATIONAL SEMINAR ON DISASTER:

COLLABORATION OF DIFFERENT GENERATION IN THE COMMUNITY



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DEPARTMENT OF NURSING
FACULTY OF MEDICINE
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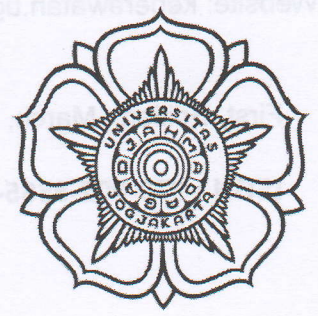
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FOREWORD

11TH INTERNATIONAL SEMINAR ON DISASTER: COLLABORATION OF DIFFERENT GENERATION IN THE COMMUNITY

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JOINT SEMINAR



PROGRAM & ABSTRACTS

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DEPARTMENT OF NURSING
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**11TH INTERNATIONAL SEMINAR ON DISASTER:
COMMUNITY EMPOWERMENT FOR DISASTER MITIGATION
AND REHABILITATION**

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Abstracts in Oral and Poster Presentation

Oral Presentation

- Abstract 1** 21
The Effect of Progressive Relaxation Therapy for Reducing Premenstrual Syndrome in Adolescents after Merapi Eruption in Yogyakarta
(Dwi Kustriyanti, Elsi Dwi Hapsari, Wiwin Lismidiati)
- Abstract 2** 21
The Impact of Flood Risk Management on Community Quality of Life in Purwodadi-Grobogan, Central Java
(Agustina Ari Handayani)
- Abstract 3** 22
Cognitive Domain in Earthquake and Tsunami Disaster Management Mitigation Phase at Coastal Communities Tanjungkarang Village Mataram City West Nusa Tenggara
(Suharmanto)
- Abstract 4** 23
Social Interaction and Resilience Of Mothers Living in Disaster-Prone Areas in Yogyakarta
(Rita Eka Izzaty, Retna Hidayah, Unik Ambarwati)
- Abstract 5** 23
Women Awareness to Physical Environment in Reducing Risk of Disaster in Yogyakarta
(Retna Hidayah, Rita Eka Izzaty, Unik Ambar Wati)
- Abstract 6** 24
The Relation between Social Support and Level Of Depression and Quality Of Life in Elderly People after the Eruption of Merapi in Kuwang Permanent Housing, Cangkringan, Sleman
(Sumarni DW, Era Rosella, Aprilia Wulandari, Sri Mulyani)
- Abstract 7** 25
Relationship between Parenting Pattern of Parents with Degree of Depression, Emotional and Behavioral Disorders in Junior High School Adolescents Post Eruption of Merapi in Cangkringan District, Sleman
(Sumarni, Santi Y, Erii Tri P, Eka Puji N, Intansari N)
- Abstract 8** 25
Correlation Between Help Seeking Behaviors and Post Trumatic Stress Disorders on Prisoners of Cebongan Prison after Armed Group Incident
(Irwan Supriyanto, Herlina Pohan, Soewadi)
- Abstract 9** 26
The Relations Between Psychosocial Stressors and Menstrual Disorder and Sexual Behaviors of Junior High School Students after the Eruption of Merapi in Cangkringan Sub-District Sleman Regency
(Sumarni DW, Elsi Dwi Hapsari, Anik Dwi Marga, Prisca Tara Pramudyah)

Abstract 10	27
Gender Perspective to Women Empowerment in Community Disaster; Approach in Disaster Nursing (Ni Ketut Alit A)	
Abstract 11	27
Different Levels of Stress in The Elderly Caused by Disaster? (Sheizi Prista Sari, Hartiah Haroen, Elly Fadliah)	
Abstract 12	28
Evaluation of Governance Role to Rabies Outbreak in West Kalimantan 2015 (Indah Sukmawati Manti Putri, Rama PS Fauzi)	
Abstract 13	28
A Literature Review: The School's Role In Disaster Situations (Elfi Quyumi R)	
Abstract 14	29
Disaster Preparedness in People with Chronic Diseases: A Literature Review (Nur Widayati)	
Abstract 15	30
Experience of Adolescent with Symptoms of Premenstrual Dysphoric Disorder (PMDD) Post Merapi Eruption: A Phenomenological Study (Dewi Marfuah, Elsi Dwi Hapsari, Wiwin Lismidiati)	
Abstract 16	30
The Role of Regional Disaster Management Agency (BPBD) in Identification and the Handling of Disaster in Jember Regency at 2007-2013 (Khoiron, Dewi Rokhmah)	
Abstract 17	31
Mindfulness with Spiritual Approach for Stress Management: Lesson Learn from Banjarnegara Avalanche (Sri Padma Sari)	
Abstract 18	32
Family Health Behaviour of Flood in the District Sekarbela of Mataram City (Irwan Budiana, Agus Supinganto, Dewi Nursukma Purqoti)	
Abstract 19	32
The Effect of Supportive Therapy toward Anxiety Level of Clients with Post Traumatic Stress Disorder after Flash Floods in Panti Subdistrict, Jember District (Erti Ikhtiarini)	

Abstract 20	33
The Influence of KIE (FGD) Disaster Prevention of Primary, Secondary, Tertiary in Pakis Village District of Panti Jember (Iis Rahmawati)	
Abstract 21	33
The Relation Between Family Experience and Disaster Emergency Response in Subdistrict of Panti (Lantin Sulistyorini)	
Abstract 22	34
The Influence of Contextual Teaching Method for Community Preparedness of Floods and Landslides Disaster at Sumberjambe Subdistrict Jember Regency (Rhondianto)	
Abstract 23	35
Unplanned Pregnancy Rate of Women on the Productive Age in Cangkringan After Merapi Eruption 2010 (Adisty Ayu K, Elsi Dwi Hapsari, Sumarni DW)	

Oral Presentation 4

Social Interaction and Resilience of Women in Disaster-Prone Areas in Yogyakarta

Rita Eka Izzaty, Retna Hidayah, Unik Ambarwati
Yogyakarta State University

Introduction: This research is based on the national platform about the disaster management as one of the concepts in disaster risk reduction emphasizing families as the smallest units in a society that will become the most effective informal environment to raise awareness of disaster risk reduction activities. **Objectives:** Regarding that platform, from the psychological point of view, this research aims to examine: (1) the most influential psychological predictors to social interaction, including identification, imitation, sympathy, or suggestion; (2) psychological predictors that influence resilience of mothers when facing disasters, including emotional control, inducement control, optimism, causal analysis, empathy, self-efficacy, or open-mindedness; and (3) a correlation between social interaction and resilience. **Methods:** This research employed descriptive qualitative and quantitative methods. The respondents of the groups of productive women and that of elderly ones were chosen proportionally. There were 30 respondents in each area. The total of the respondents were 150 from 5 disaster-prone areas in Yogyakarta including the volcano eruption, earthquake, and flood disaster. The five disaster-prone areas examined were Nganggung and Kopeng which were the main and first volcano prone-areas; densely-populated areas of Gemblakan-Danurejan along the Code River which were flood prone-areas; and densely-populated areas of Sapen-Gondokusuman which were earthquake prone-areas. The data analysis of this research employed descriptive analysis and product moment correlation. **Results:** The results show that: (1) the most influential factor influencing social interaction is the suggestion and the least is the imitation; (2) the most influential factor influencing resilience is open-mindedness, while the least is the inducement control; and (3) the social interaction conducted by the individuals is proved to have correlation with the resilience ($r = 0.58, p < 0.05$). **Conclusion:** In the context of disaster management, it can be concluded that each individual can be more resilient when facing problems if she often interacts socially with others or other groups.

Keywords: Social Interaction, Resilience, Women, Disaster-Prone Areas

Oral Presentation 5

Women Awareness to Physical Environment in Reducing Risk of Disaster in Yogyakarta

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Introduction: Physical environment becomes one of the determinant factors in the natural disaster risk reduction activities, in addition to cultural and social factors. The physical environment can be defined as any condition of the quantity and quality of the environment that embodies human activities include landscape, facilities and infrastructure, house arrangement and layout, and movement. The importance of the physical environment on disaster risk reduction will be related to structural building resilience, shape and spatial arrangement, and circulation or movement that provides easy access for evacuation. **Objective:** This paper aims to examine the awareness of women to the physical environment, especially to their house, which is associated to building construction, the selection of furniture, provision of emergency equipment, the arrangement of space and furnishings, and the provision of emergency facilities as supporting aspects of disaster risk reduction. **Methods:** This study employs a descriptive approach that involving 86 women as

respondents in the three disaster-prone areas of major volcanoes (Cangkringan, Merapi), flooding (river area of Code), and earthquakes (Pandak, Bantul). **Result:** The result explains the views of women in the three disaster-prone areas which can be described as follows: 1) women have high awareness to undertake the provision of emergency equipment, to plan evacuation routes, and to arrange spatial lay out of their houses as the most important step to reduce the risk of disaster; 2) women have less awareness of the importance of the selection and arrangement of sturdy furniture and house construction. **Conclusion:** It can be concluded that women are more concerned with the "soft" physical environment rather than a "hard" physical environment.

Oral Presentation 6

The Relation between Social Support and Level of Depression and Quality of Life in Elderly People after the Eruption of Merapi in Kuwang Permanent Housing, Cangkringan, Sleman

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Purpose: To discover the relation between social support and level of depression and quality of life in elderly people after the eruption of Merapi in Kuwang Permanent Housing Cangkringan Sleman.

Method: This was non-experimental research using cross sectional design. The subjects were 46 elderly people in Kuwang Permanent Housing Cangkringan Sleman who were selected using total sampling method. Research data was collected by Social Support Questionnaire (SSQ), Geriatric Depression Scale (GDS), and Short Form 36 (SF-36). Analysis of data on social support and quality of life used Pearson Product Moment correlation test and analysis of data on social support and level of depression used Spearman's Rho correlation. **Result:** There was significant negative correlation $r=-0,744$, $p<0,05$, between the number of social supporters and level of depression. There was significant negative correlation $r=-0,710$, $p<0,05$ between level of satisfaction with social support and level of depression. There was significant positive correlation $r=0,358$, $p<0,05$ between the number of social supporters and quality of life and there was significant positive relation $r=0,410$, $p<0,05$ between level of satisfaction with social support and quality of life. **Conclusion:** There was negative correlation between social support and level of depression and there was positive correlation between social support and quality of life in elderly people after the eruption of Merapi in Kuwang Permanent Housing, Cangkringan, Sleman.

Keywords: Eruption of Merapi, Social Support, Level of Depression, Quality of Life, Elderly People