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**Impact of 2018 earthquakes to Pediatric population in North Lombok Field Hospital, West Nusa Tenggara, Indonesia****<sup>1</sup>Melissa Ronaldi, <sup>1</sup>Ida Bagus Gde Suwibawa, <sup>2</sup>Kurniawan Taufiq Kadafi, <sup>2</sup>Nurhandini Eka Dewi, <sup>2</sup>Jaya Ariheryanto Effendi, <sup>2</sup>Aman B Pulungan**<sup>1</sup>North Lombok General Hospital, Indonesia<sup>2</sup>Indonesia Pediatric Society, Indonesia

**Background:** Three devastating earthquakes hit North Lombok within a 28 days period in 2018. North Lombok has limited disaster preparedness system and it gave a great challenge to the health systems. So, this study aims to characterizes diseases in pediatric population at North Lombok Field Hospital and examine the implications for planning deployment in future similar disaster.

**Method:** This is a prospective observational study of pediatric population presenting to a field hospital in North Lombok for a period of 28 days following the earthquake on August 5, 2018. Demographic and clinical information was prospectively registered for all patients in the systematic emergency registry and nutritional status was based on weight for age.

**Result:** There are 836 children were treated in the field hospital for 28 days. Children under five were the highest proportion every week (52%). Most of them were male (54%) and had normal nutritional status (72%) and 96 children (11%) had

severely wasting. There were 56 children (7%) with trauma and 780 children (93%) with no trauma. From 56 children with trauma, 4 children were died because multiple trauma. Respiration tract infection was the highest disease on the first and second week. Gastrointestinal tract infection became the highest disease on third and fourth week. This study found there is no correlation between age, sex, and nutritional status with prominent disease children after earthquake ( $p > 0,005$ ).

**Conclusion:** Respiration and gastrointestinal tract infection became the highest disease in children at North Lombok Field Hospital after earthquakes.

**Speaker Biography**

Melissa Ronaldi has completed her MD from Christian University of Indonesia. Now she is serving in North Lombok General Hospital, West Nusa Tenggara, Indonesia as rural doctor and an intern of Department of Pediatrics. She believes that children are the future of the nations. So that, she also believes that a healthy nation starts from healthy children. That's why she is so passionate in pediatric.

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