

# WASTE MANAGEMENT ANALYSIS IN SUBULUSSALAM, ACEH

**Hasbullah, Taufik Ashar, Nurmaini**

Masters Program in Public Health, Universitas Sumatera Utara

## ABSTRACT

**Background:** The Ministry of Environment noted that the average Indonesian population produces about 0.5 kg of waste per day or 125 million kg of waste from the total population of Indonesia. This condition will continue to grow in accordance with environmental conditions. The World Bank data showed that the amount of solid waste produced nationally reached 151,921 million kg of garbage per day, of which 80 percent was only collected, the rest was polluted by the environment. Waste management that is not sanitary can lead to environmental pollution. Waste generated by Subulussalam municipal communities and transported to the landfill was 126 m<sup>3</sup>/ day, with service level 42% of the total amount of waste generation 542 m<sup>3</sup>/ day. This study aimed to analyze waste management in Subulussalam, Aceh, 2017.

**Subjects and Method:** This was a descriptive qualitative study conducted at Subulussalam final waste disposal in 2017. A sample of 40 informants who worked at sanitary office was selected for this study. The data were collected by in-depth interview, questionnaire, direct observation and document review.

**Results:** Waste management had not been based on the creation of a healthy environment due to: (1) No separation between organic and inorganic waste; (2) Waste that was not transported became a cause of accumulation. The final waste disposal system should prevent people from disturbing public health and not polluting water sources. In terms of financing, the final waste disposal showed an increasing waste management levy with an average increase of 25.2% per year. The increase in revenue from this levy should be offset by an improved waste management in the landfill.

**Conclusion:** Waste management conducted by Subulussalam City Government as a whole has been good but not environmentally sound.

**Keywords:** waste management, environmental, analysis

### Correspondence:

Hasbullah. Masters Program in Public Health, Universitas Sumatera Utara.  
Email: hasbullah\_9@yahoo.co.id. Mobile: 085286684481.