



**ANALYSIS OF WASTE GENERATION AND COMPOSITION IN
AN OFFICE (CASE STUDY: PT FD, CIKARANG, INDONESIA)**

UNDERGRADUATE THESIS

**Submitted as one of the requirements to obtain
Sarjana Teknik**

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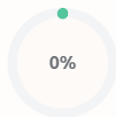
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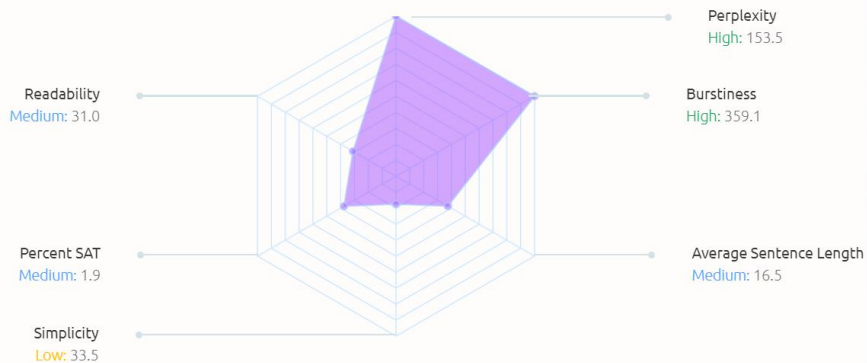
1 INTRODUCTION

1.1 Background

Solid waste is one of the major problems in Indonesia, and the lack process of treatment is still the biggest factor to decrease environmental quality.

Based on the SIPSN calculated the amount of solid waste along 2021 is 29,567,204

Writing Analysis



These measurements have been normalized on a scale of 1–100 for display on this chart.

ABSTRACT

Solid waste is one of the major problems in Indonesia, and the lack process of treatment is still the biggest factor to decrease environmental quality. Based on the SIPSN calculated the amount of solid waste along 2021 is 29,567,204 ton. The higher amount of waste has a relation with the social aspect, especially in individuals' knowledge, attitude, and behavior toward waste management. In daily work activities, especially in the office, it can produce even the slightest waste. The waste can be generated from any activity. In this case, it should be noted that the sources of waste generation at PT FD include 8 office areas. Each area has its own dominant characteristics of waste inorganic waste and organic waste. To find out the current condition at PT FD, waste generation, waste composition, knowledge, attitude, and reward affect employees' compliance regarding the waste segregation program at the PT FD office. In this result, the population used were employees from PT FD. Using purposive sampling refer to the SNI 19-3964-1994 along 8 days, observation method to collect the data and used logistic regression data analysis method. Logistic regression analysis aims to determine whether or not there is an influence of two or more variables X on variable Y (dichotomous). The amount of average waste is 0.028 kg/person/day or 0.607 L/person/day, and daily waste is 1.311 kg/day of average waste weight with 25.157 L/day as the average volume. The dominant waste from paper (43%), plastic (27%), and last is leftover food (24%). According to the analysis result, the employee's attitude and the power of reward have a positive effect on compliance with waste segregation.

Keywords: Waste Generation, Waste Composition, Knowledge, Attitude, Reward, Compliance.

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