

ABSTRACT

Analysis of Soil Characteristics on Stability and Supporting Capacity of Soil in the Construction of 2 Basements and 4 Floors

(Study Case : Pattimura, South Jakarta)

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In South Jakarta, the land at the top is dominated by volcanic soil which has been transported by water or not, characterized by reddish brown clay and is widely used as landfill. The data taken is the result of sondir and boring data on the 2 Basement 4 Floor project. Then the data is processed to obtain soil characteristics and bearing capacity, namely, physical and mechanical properties of the soil. Tests are carried out in the laboratory in order to get the right results for foundation planning needs. For statistical testing in this study using descriptive analysis and ANOVA which aims to make the data homogeneous and can determine the average yield of each soil characteristic.

Keywords : *Soil Physical Properties, Soil Mechanical Properties, Bearing Capacity, and Anova*

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