

ABSTRACT

GROUNDING RESISTANCE IMPROVEMENT USING BENTONITE ACTIVATED

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One of the things that affect the grounding resistance is soil resistivity. Soil resistivity is influenced by several things: the structure of the soil, the temperature, the influence of the water content (moisture), and the effect of chemical constituents in the soil. In this research to lose custody grounding the addition of bentonite into the ground, but before use bentonite first in activation. The aim of this study is to know the major changes grounding given bentonite which has not been activated and has been activated .Grounding were given activated bentonite has a grounding resistance value is smaller than when given bentonite which has not been activated .Percentage changes that have been activated bentonite in the amount of 79,97%-85,24% whereas the percentage change in resistance grounding when given bentonite which has not been activated by 22,84%-85,25%.

Keyword: Grounding, Soil Resistivity, Activation of bentonite