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# Stabilization of Soil by Agricultural Waste

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**Abstract:** *Large quantities of agricultural waste worldwide is facing serious problems like handling and disposal. Agricultural waste disposal creates a potential negative environmental impact that causes air pollution, water pollution ultimately affects local ecosystems. Therefore, safe disposal of agricultural waste becomes a challenging task. In many situations, expansive soil has swell when the water comes, and will shrink it can cause serious problem to the buildings because of swelling characteristics, we need to improve the characteristics of geotechnical properties. The purpose of this paper is therefore to investigate the use of certain agricultural waste such as corn cob ash, coconut shell to stabilize the expansive soil. The results of these tests can show improvement in UCC value and swell pressure with the increase in percentage of waste. Hence there is a value addition to these three agricultural wastes serving the benefits of safe disposal of wastes, using as a stabilizer and return of income on it.*

**Keywords:** Expansive soil, Corncob ash, Coconut shell ash, Rice husk



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