

Pengaruh Variasi Diameter Kolom Kapur untuk Stabilisasi Lempung Lunak pada Tinjauan Nilai Indeks Pemampatan Tanah (Cc)

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Author Order	of
Accreditation	
Abstract	<p>Mostly soil in java, especially in northern area is included in soft clay soil classification. The behavior of this soil, have large value of coefficient compression (Cc), so consolidation settlement potentially occur in this soil. In this research, this problem will be handled by limes column. Limes columns were expected could reduce Cc value so consolidation settlement could be reduced too. This research was conducted through experimental in laboratory, with box that have 40 cm in diameters and this heights is 40 cm. Five various of diameters applied in this research and this affect to value of Cc would be examined. Those are 3 cm, 5 cm, 8 cm, 10 cm and 12 cm diameters. The result of this research show that limes column could reduce of Cc in significant value. The average change of Cc with limes column is 0,095 (37,63 %) if compare with Cc without limes column stabilization. The results also show that increasing of limes column diameters have no affects to the value of coefficient compression.</p>
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