

SUMMARY

ANALISA PONDASI TIANG PANCANG AKIBAT BEBAN VERTIKAL DAN LATERAL DARI GEDUNG TANGGUH LNG TELUK BINTUNI-PAPUA DIBANDINGKAN DENGAN HASIL ANALISA DARI KISO-JIBAN CONSULTANT

PILE FOUNDATION ANALYSIS DUE TO VERTICAL AND LATERAL LOAD FROM TANGGUH LNG DORMITORY IN COMAPRATION WITH THE RESULT FROM KISO-JIBAN CONSULTANT

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Subject : Fondasi

Keyword : metode Meyerhof; Reese&Matlock; Bromsâ€™™

Description :

Pondasi tiang pancang didalam suatu sistem struktur berperan tidak hanya dapat menahan beban vertikal tetapi juga beban lateral, seperti beban gempa, beban angin, dan arus air. Gedung Tangguh LNG dibangun mnggunakan pondasi tiang pancang dimana metode yang digunakan adalah metode dari Kiso-Jiban Consultant. Gedung ini terletak pada zona gempa tinggi untuk itu didalam perencanaan pondasi tiang pancang perlu dianalisa terhadap beban lateral. Didalam Tugas Akhir ini akan membahas analisa beban vertikal menggunakan metode Meyerhof, dan amalisa beban lateral menggunakan metode Reese&Matlock dan metode Bromsâ€™™. Selain itu akan didapat kebutuhan tiang pancang berdasarkan analisa yang dilakukan.

Description Alt:

A pile foundation in structural systems has a function to restrain load not only vertical load but also lateral load for example earth quake, wind, water current. Kiso-Jiban Consultant was using their own methods in order design Tangguh LNG pile foundation. This building location is in a critical earth quake zone, so the pile foundation design needed to analyze the lateral load. This final project will analyze vertical load of the pile foundation using Meyerhof method, and lateral load using two method it is Reese&Matlock and Bromsâ€™™. As the result of this final project we will have numbers of pile foundation. And this result will be compared with the result from Kiso-Jiban Consultant.

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Thank You,

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