

ABSTRACT

Pekanbaru is currently one of the cities in Indonesia that is developing, this development can be seen in terms of the economy and population which is increasing sharply. The discussion in this research is to analyze the bearing capacity of the foundation of the Pekanbaru Water Supply System construction project using the Bored pile foundation using the Mayerhoff, Reese and Wright, and Luciano Decourt methods. Mayerhoff method obtained ultimate bearing capacity (Q_u) of 965.59 tons. Reese and Wright method obtained ultimate bearing capacity (Q_u) of 710.29 tons. Luciano Decourt method obtained ultimate bearing capacity (Q_u) of 289.14 tons.

Keywords: Foundation bearing capacity using the Mayerhoff, Reese and Wright, Luciano de Court