

CONCRETE PRESS STRENGTH TEST SELF COMPACTING CONCRETE WITH A RUDE AGGREGATE SIZE VARIATION

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ABSTRACT

Bengkalis Island is an area located in the province of Riau which is an archipelago with a busy residential level, therefore the island of Bengkalis needs strong and sturdy buildings. Therefore, it is necessary to conduct research on high quality SCC concrete testing, the compressive strength of the concrete is affected by stirring, by using viscrete additives to dilute and accelerate the hardening of the concrete, with the nature of the concrete that flows independently without being compacted, it is necessary to test the aggregate that will be used to meet the requirements. Indonesian National Standard requirements.

From the results of this test, it was found that the average age of 7 days was 36.75 MPa and an average age of 28 days had increased by 44.64 MPa. It is hoped that the use of SCC concrete can be accepted as a reference for the government in making SCC concrete with this high quality.

Keywords: *SCC, Addictive Substances, Compressive Strength*