

ABSTRACT

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STRONG TEST PRESS ANALYSIS OF CONCRETE AGES 7 DAYS AND 28 DAYS

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(Xi + 31 + Attachments)

Concrete is a mixture of its constituent materials consisting of hydraulic cement (Portland cement), coarse aggregate, fine aggregate and water with or without the use of added ingredients. The function of the concrete compressive strength test is to find out how strong the concrete will be used for building a building. The process in testing the compressive strength of concrete starts from making samples using materials to be tested such as sand, cement, split stones and a mixture of water with a diameter of 15 cm and a height of 30 cm. Before testing the soaked concrete so as to reduce the loss of water from the concrete surface and accelerate the development of compressive strength in concrete, immersion is carried out for 7 days and 28 days. The next process is the manufacture of kaping or base on the concrete surface so that the surface of a concrete is flat using sulfuric liquid. Then the concrete samples were tested for compressive strength, there were 3 samples for 7 days and 3 samples for 28 days. Sample 7 days with compressive strength 24.62Mpa, 22.64Mpa, 22.92Mpa. For 28-day samples with 33.92Mpa compressive strength, 33.67Mpa, 33.11Mpa. Compressive strength at 28 days is greater because the compaction of a material at 28 days is more maximum than at 7 days.

Bibliography: (1993-2018)