

# THE INFLUENCE OF COMPACTION ON THE COMPRESSIVE STRENGTH OF CONCRETE

Prepared by: Shahnaz Hussin

## ABSTRACT

---

The effect of compaction of concrete through compressive testing is a critical issue on which no consensus has yet been reached. Among the many factors that are often under discussion is the effect of curing, water content and coarse on the compressive strength results.

The main objective of the investigation and research were to conduct a well designed statically analyzed experiment to investigate effects on the compaction on the compressive strength of concrete. A concrete mold 150mm x 150mm x 150mm and the compaction machine was design to adopted with the mix design of concrete and testing for 7,14 and 28 days. The results of the experiment were compare among each of the days to show which is the most powerful strength of concrete.

In order to analyze the overall repeatability of compressive testing, replicates were incorporated in the experiment. To properly evaluate the test result, two and three examples from different experiment. To properly evaluate the test result, two and three examples from different experiment for the same title has been compare.