

ABSTRACT

The effect of mixing time of concrete and its workability and compressive strength have been studied. The concrete samples used in the study are normal concrete of grade 30. The proportion of mixtures used in this study was calculated using software called Clacrete. Three concrete cubes of 150mm size were casted immediately after mixing. The same grade of concrete was prepared with the mixing time of 30 minutes to 5 hours. All of the concrete samples were cured for 28 days under room temperature before they were compressed for strength measurement using a compression machine. The experimental results show that the compressive strength of concrete decreases when the mixing time is increased.