

## Abstract

This research offered that the rice husk ash is served as replacement for cement ingredient such as 10% and 20% along with 10% and 20% of fine aggregates replaced with coconut shell ash in concrete. In this regard, total 28 concrete samples were prepared with mix proportion of 1:1.17:2.55 at 0.42 water/cement ratio and these specimens were cured at 28 days. However, the main theme of this study is to perform the slump test, compressive strength, split tensile strength and water absorption of concrete including different proportions of rice husk ash as replacement for cement and fine aggregates replaced with coconut shell ash separate and combine. The outcome was detected that the workability and water absorption is dropped as the dosages of rice husk ash and coconut shell ash increases in concrete. Moreover, the compressive, split tensile strength and flexural strength is enhanced by 8.84%, 7.6% and 1.6% while the utilizing of 10% RHA along with 20% of fine aggregate replaced with coconut shell charcoal ash in concrete at 28 days consistently.