ABSTRACT

Nowadays, many researchers from all over the world, focusing on ways of utilizing the industrial waste as raw material in construction industry. By the innovation of technologies and idea certain waste as a raw material has also been used in construction industries. This project is based on a sugarcane bagasse ash (SBA) is one of such industrial waste carrying environmental pollution. For this purpose, materials were collected and its basic properties were evaluated at initial stage. Main focus of this study was to evaluate fresh property and mechanical properties by replacing 10%, 20%, 30%, of sugarcane bagasse ash as a replacement of cement and in cement in the production ofcement concrete. The test results were shown better results in thecompressive and split tensile strength of 20% sugarcane bagasse ashconcrete is more than 10% sugar cane bagasseash concrete and strength of 10% sugar cane bagasse ash concrete is more than normal concrete.