

Title : The Research and Development used Husk Ash mixture for Low
Cost and increase efficiency Produce Cement Block

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ABSTRACT

The research on this study aim of procedure cement block mixture ash and optimize mixture ratio for low initial cost. The study property support force of cement block mixture ash by experimental and evaluation. The study result was amount mixture ash to compare with mature time found nonmixture ash or amount ash mixture 0 % by mass has destroyed stress maximum value 37.665 ksc and amount ash mixture 2 % by mass respective. Amount ash mixture 4 % by mass has destroyed stress minimum. The mature time of cement block at 7 and 14 day has destroyed stress was nonsignificant, but more than mature time value at 5 day. The study amount mixture ash found amount mixture ash to increase has effect destroyed stress to decrease and maximum 36.792 ksc at amount mixture ash 0 % by mass subsequently has 2, 3 and 4 % by mass respective, to be consistant mature time. The analysis of material size by sieve found size of rock has approximately 0.375 inch or 9.525 mm. The experimental weight of rough unit found weight of ram unit has density of material value 1663.5 kcm, more than density of material loose type value 1449.3 kcm. The specific gravity and absorption of material mixture found cement block has percentage of absorption to conscript in standard all mixture level.