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EXPERIMENTAL STUDY OF THE STRENGTH PROPERTIES OF CONCRETE USING SAW DUST ASH AND CORN COB ASH

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Abstract:

The objective of the study is to reduce the agro waste materials in the world and also to minimize the percentage of the cement used in concrete. The agro waste materials used in this project are saw dust ash and corn cob ash. The materials are burny at high temperatures and are made into ashes in order to make the ashes properly mix with the cement and obtain a rich mix of concrete. Chemical compound of saw dust ash and corn cob ash not only enhances the workability but also helps in the increasing of strength properties of the concrete. The percentages of ashes which are partially replaced with the cement are 3,5,7 %.The mix design had been calculated according to IS :10262-2009 .The concrete has been mixed according to the proportions of the mix and specimens are casted and allowed to dry for 24hrs and den curing has been done. Tests for the specimens had been conducted to obtain the experimental results.