

UTILIZATION OF OYSTERS SHELL AS CONCRETE FOOT SLOBS

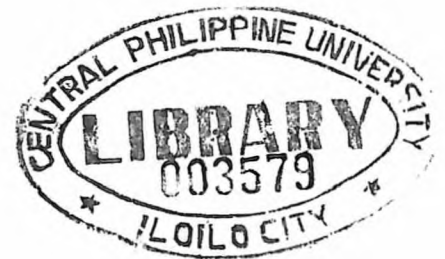
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ABSTRACT

The study was conducted to utilize oyster shells by converting crushed oyster shells as concrete foot slob. Specifically, the study aimed to produce slob using crushed oyster shells as blended material to standard material used in making concrete foot slob. The researcher analyzes the cost of producing foot slob from oyster shells, evaluates the quality of foot slob produced based on its texture, durability and aesthetic, and tests whether sand and gravel can be replaced by oyster shells in making concrete foot slob. The study was conducted in December 3, 2018 to December 23, 2018 at the Barangay Calajunan Landfill, Mandurriao, Iloilo City. In making concrete foot slob using oyster shells as material blend to sand and gravel, a 12 step procedure was followed using necessary materials. Three trials were made for the four treatments in the study. Results revealed that concrete foot slob with cement +sand+ gravel+ oyster shell has the lowest cost while concrete foot slob made of Cement +Sand +Gravel has the highest. Concrete foot slob made of cement+ sand+ gravel has the highest compressive strength while concrete foot slob made of cement +oyster shells has the lowest compressive strength. All foot slob were smooth except for foot slob made of cement +Oyster shells. The foot slob made of Cement +sand +gravel was regarded as the most beautiful among the concrete foot slob. Concrete foot slob made of cement +sand +gravel was the heaviest while concrete foot slob made of cement +oyster shells was the lightest. Grounded oyster shells could be substitute to sand and gravel and could be added on the standard material used for concrete.

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