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**AN ASSESSMENT STUDY ON THE PERFORMANCE OF THE CIRCULAR FISH
CONTAINER AND EPS COOLER (WITH PACKING TAPE) DURING LAND
TRANSPORTATION (USING NON- REFRIGERATED TRUCK)**

A Project study Report

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By

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FISH CONTAINER AND EPS COOLER (WITH PACKING TAPE) DURING
LAND TRANSPORTATION (USING NON- REFRIGERATED TRUCK)**

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ABSTRACT

Despite fishing being one of the biggest industry in Iloilo and in the Philippines, little research regarding its containers were done. Thus, tests that simulate actual fish containers' distribution environment were performed. EPS with packaging tape and circular plastic containers were used as samples. The recommended stacking strength for the EPS cooler (with packaging tape) is 2-3 stacks and 4-5 stacks for circular plastic container. The EPS cooler (with packaging tape) failed the performance test. However, as observed in actual distribution, the EPS cooler (with packaging tape) can be used on 3 trips without damage. This shows that it can withstand the actual distribution environment but not the more severe laboratory performance testing. The EPS cooler (with packaging tape and "*hilada*") has the highest R-value. The "*hilada*" decreases the melt rate of the ice placed inside. Both containers are significantly strong and durable. The EPS cooler (with packaging tape) and circular plastic container has high vertical compression strength relative to their weight, has a high resistance to shock and can withstand greater heights compared to the current handling. Also, The EPS cooler (with packaging tape) is effective in preserving the fishes on an average trip plus waiting time using the "*packing*" method.