COASTAL ZONE POLLUTION CONTROL BY UTILIZUNG FISH WASTE TO PRODUCE FISH MEAL IN PALLIMUNAI, MANNAR

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Dry fish marketing is very popular in Mannar district and many people involved in this sector. Still the waste produce from this sector considerably responsible to deteriorate the costal environment and it reduce the aesthetic value of the coastal region impacting environmental, social and cultural values of the area. The objective of the study was to reduce the pollution by effectively utilizing the waste to produce fish meal that is with a higher economic value. Results of this research revealed that Fish meal could be produce in mass quantities from fish waste freely available in this area. Nutrition composition of this fish meal were protein 60-70%, lipid 5-15%, CHO 1-4%, fiber 1-3% and ash 10-20%. The present study could be directly used to eliminate the coastal environmental pollution in a more productive and sustainable manner. Since the aquaculture industries are increasing in our country and in Sri Lanka, this product could be easily marketed if a continue supply is guaranteed. In addition to that, this project would provide alternative employment opportunities to coastal communities in this region by which enhancing their livelihood and economic status.

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