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Optimasi alokasi unit penangkapan ikan di perairan selatan Jawa Barat

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Abstrak

ABSTRAK
Fisheries resources management aimed to improve community welfare especially fishermen and to conserve the fisheries resources and its environment, to keep the capture fisheries business system sustainability efficient and profitable. Beside marketing guarantee, optimalization between fisheries resources stock and fishing effort in each of fishing area. The improvement of capture fisheries must be held based on the existing condition, i.e.: marketing in determining the priority commodity, maximum sustainable yield and fisheries resources utilization level to determine limit of fisheries resources utilization chance, fishing technology and socio-economic condition to identify the fishermen's earns and absorption of labors related to capture fisheries sector. Based on the marketing aspect analysis, it is determined that the kinds of priority commodity in Southern of West Java Province are lobster, shrimp, tuna, skip jack tuna, and layar. Hence, the potency (MSY) and fisheries resources utilization level of the priority commodity still has very large chance to improve, except lobster has large enough chance. Based on the scoring approach, combined from many technical aspects, financial aspects and social aspect and linear goal programming analysis can be concluded that the proper fishing technology in southern waters of West Java Province are: (1) Purse seine 80 unit, (2) Denish same 127 unit, (3) Lines 144 unit, (4) Gillnet 80 unit, (5) Trammel net 376 unit.