

## ABSTRACT

**Silva Dwi Isni Zakiyah. 2017. Identification of Fish Catches Based on the Gear in Cibendo Beach, District of Karawang. Advisors: Dr. rer. nat. H. Ama Rustama and Dr. Cartonno, M.Pd., M.T.**

Fish Auction is the place for fish catches. The fish species caught by fishermen in Ciparage Fish Auction are diverse, depending on the gear used. This study aims to obtain data regarding various species caught as well as the gear used in Ciparage Fish Auction, District of Karawang. The method of the study is descriptive using survey design. The catch shows that there are 20 fish species consisting of 4 orders and 6 families: 7 families and 9 species of Perciformes order and 4 families and 5 species of Labriformes order. Malacopterygii order consists of 1 family and 1 species, Myliobranchii consists of 1 family and 1 species, Ostariophysi order consists of 1 family and 1 species, and Heterostomata order consists of 1 family and 1 species. They are Black pomfret (*Parastromateus niger*), Queenfish (*Chorinemus tolooparah*), Bigeye trevally (*Caranx sexfasciatus*), Blue ring angelfish (*Pomacanthus annularis*), Silverbiddy (*Gerres erythrurus*), Karalla daura (*Leiognathus daura*), Largescaled terapon (*Terapon theraps*), Fork-tailed threadfin bream (*Nemipterus furcosus*), Pickhandle barracuda (*Sphyaena jello*), Savalai hairtail (*Trichiurus savala*), Silver or white pomfret (*Pampus argentus*), White-spotted spinefoot (*Siganus canaliculatus*), Narrow-barred Spanish mackerel (*Scomberomorus commerson*), Short mackerel (*Rastrelliger brachysoma*), Bleeker (*Stolephorus tri*), Indian anchovy (*Stolephorus indicus*), Dorb wolf-herring (*Chirocentrus dorab*), Cowtail stingray (*Pastinachus sephen*), Eeltail catfish (*Plotosus abbreviates*), Long tongue sole (*Cynoglossus lingua*). The gear used are gillnet, paying, and monofilament gill net. Gillnet fishing is operated using a 20GT tonnage ship. Fish species caught using such gear include threadfin, perciform, grouper, Savalai hairtail, ariid catfish, and whiptail stingray. Payang fishing gear is operated using a 27GT tonnage ship. Fish species caught using such gear include true mackerel, bigeye trevally, and black pomfret. Monofilament gill net fishing operated on a 20Gt tonnage ship catches tigertooth croaker, narrow-barred Spanish mackerel. Fishermen sail to the sea in short distance so that it merely takes 8 hours to catch fish. The highest fishing season in Ciparage Fish Auction is in June and October, while the lowest is during January and May.

**Keywords: Identification, Fish species, Fishing gear, Fishing period, Ciparage Fish Auction.**