

## Development Model Bio Cyclo Farming in Tempe Lake, Environment Friendly at Prima Village

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**Abstract.** The condition and productivity of Lake Tempe tend to show a decreasing rate. This happened because of soil erosion and some of the waste flowing from the Bila River and Walannae River into the lake which resulted in silting. This is accelerated by aquatic weeds whose populations exceed viable numbers. The rivers that flow into Lake Tempe. The purpose of this study is to develop an integrated agricultural and fishery development model in Lake Tempe towards an environmentally friendly prima village. This research was carried out in the Lake Tempe Coast of Wajo, Soppeng, and Sidrap Regencies in 2021. The method used in the preparation of the model is the Integrated Farming System Bases Ecosystem (IFSBE) and Bio Cyclo Farming by involving various stakeholders from academia, industry, government and agencies stakeholders, fishermen, and community leaders. The results showed that the development of the Integrated Farming System Bases Ecosystem (IFSBE) and Bio Cyclo Farming models could create a prime village located in the coastal area of Lake Tempe, including the arrangement of environmentally friendly residential areas, agriculture, fisheries, and livestock by increasing the economy of the community.

**Keyword:** bio cyclo farming, tempe lake, fisherman, farmers