

**NAMA : RISKY APRIYANTO GAILEA ; NPM: 05181411 016: BIODIVERSITAS IKAN  
KARANG YANG BERADA DALAM *FISH APERTEMENT* DI PANTAI JIKOMALAMO.  
dibawah bimbingan Rustam E Paembonan, S.Kel, M.Si dan Nebuchadrezzar Akbar , S**

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**ABSTRAK**

*Apartment fish* merupakan pengembangan dari pemasangan rumpon dasar yang telah berhasil meningkatkan ketersediaan stok ikan, hasil pengamatan menunjukkan bahwa rumpon dasar telah berhasil mengumpulkan ikan-ikan dasar, bahkan dijumpai juvenil biota laut menempel pada rumpon dasar tersebut sehingga sangat bermanfaat bagi habitat biota laut. Dalam penelitian ini lokasi pengambilan data terbagi atas dua yaitu di area *apertement fish* dan diluar area *apertement fish*. proses pengambilan data terumbu karang dan ikan karang terbagi atas dua bagian, adapun proses pengambilan data karang dan ikan karang dapat di lihat pada.1.Pengambilan data terumbu karang dan ikan karang pada *apertement fish* proses pengambilan data terumbu karang pada *apertement fish*, dilakukan dengan cara menarik transek secara vertikal sampai batas terahir area *apertement fish*. setelah itu baru mulailah proses pengambilan data terumbu karang, sedangkan proses pengambilan data ikan karang pada *apertement fish*, dilakukan dengan cara memotret kemudian dilanjutkan dengan video selama 10 menit dan dalam proses pengambilan data hanya membutuhkan penyelam sebanyak 4 orang. Pengambilan data terumbu karang dan ikan karang diluar *apertement fish* proses pengambilan data terumbu karang di luar *apertement fish* dilakukan dengan cara memasang patok permanen di awal dan akhir transek gunanya untuk memberi tanda pada saat pengambilan data selanjutnya.setelah itu menarik transek secara vertikal sepanjang 50 puluh meter setelah itu baru mulailah proses pengambilan data. Sedangkan proses pengambilan data ikan karang di luar *apertement fish* dilakukan dengan cara menarik transek sepanjang secara vertikal sepanjang 50 meter kemudian tinggalkan beberapa saat setelah itu baru mulailah proses pengambilan data. Dalam proses pengambilan data terumbu karang dan ikan karang di luar *apertement fish* membutuhkan penyelam sebanyak 3 orang.dari hasil penelitian ini di temukan sebanyak 34 spesies ikan yang berada pada dua stasiun kontrol dan dalam *apertement fish* di pantai jikomalamo pada penelitian kali ini tingkat kelimpahan, keanekaragaman, dan dominansi ikan karang yang di temukan pada lokasi penelitian sangat bervariasi. Sedangkan jenis karang yang di temukan secara *life from* pada stasiun kontrol satu ialah ACS 12% CM 5,02% CF 28% ACB 13,64% CS 9,7% SC 3,56% ACT 5,42% ACD 21,82% jenis karang yang di temukan pada *apertement fish* CF 43% RB 28 % DC 29 % sedangkan pada stasiun kontrol dua ialah ACD 10% ACT 24% CM 15% ACS 3% SC 13% CF 36%.

**Kata kunci :** Biodiversitas Ikan Karang Yang Berada Dalam *Fish Apertement* Di Pantai Jikomalamo.

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### **ABSTRACT**

Apartment fish is a development of the installation of basic rumpon that has succeeded in increasing the availability of fish stocks, the results of observations show that the basic rumpon has succeeded in collecting basic fish, even found juvenile marine biota attached to the base rumpon so that it is very beneficial for marine biota habitat. In this study the location of data collection was divided into two, namely in the apartment fish area and outside the fish apartment area. The process of retrieving coral reef and coral fish data is divided into two parts, while the process of retrieving coral and coral fish data can be seen 1. Data collection of coral reefs and coral fish in apartment fish the process of retrieving coral reef data on apartment fish, is done by pulling the transek vertically to the last extent of the fish apartment area. After that, just started the process of retrieving coral reef data, while the process of retrieving coral fish data on apartment fish, was done by shooting then continued with video for 10 minutes and in the process of retrieving data only killed divers as many as 4 people. The collection of coral reef and coral fish data outside the apartment fish the process of retrieving coral reef data outside the apartment fish is done by installing a permanent path at the beginning and end of the transek to signal the next data retrieval. After that pull the transect vertically along 500 meters after that just start the process of retrieving data. While the process of retrieving coral fish data outside the apartment fish is done by pulling the transect vertically along 50 meters and then leave it some time after that just starts the process of data collection. In the process of retrieving data on coral reefs and coral fish outside the fish apartment requires divers as many as 3 people. From the results of this study found as many as 34 species of fish located at two control stations and in apartment fish on jikomalamo beach. In this study the level of abundance, diversity, and dominance of coral fish found at the research site varies greatly. While the type of coral found life from at control station one is ACS 12% CM 5.02% CF 28% ACB 13.64% CS 9.7% SC 3.56% ACT 5.42% ACD 21.82% coral type found in apartment fish CF 43% RB 28% DC 29% while at control station two is ACD 10% ACT 24% CM 15% ACS 3% SC 13% CF 36%.

Keywords: Biodiversity of Coral Fish That Are In Fish Apartment On Jikomalamo Beach