

ABSTRACT

Ari Permana. 2016. Distribution Pattern and Abundance of the Marine Hermit Crabs Population in Sindangkerta Beach of Cipatujah District, Tasikmalaya Regency. It is supervised by Dr. H. Uus Toharudin, M.Pd. and Drs. Suhara, M.Pd.

The research concerning “Distribution Pattern and Abundance of the Marine Hermit Crabs Population in Sindangkerta Beach of Cipatujah District” has been conducted on April 2016. It aims to obtain the quantitative information concerning the distribution pattern and abundance of the Marine Hermit Crabs population. The applied research method is the descriptive method with the research design of belt transect and the hand sorting as the applied sampling technique. Sampling was carried out at the Littoral Zone at 6 stations with 5 plot squared for each station. The applied area of plot squared is 1m x 1m. The taken data are the data of hermit crabs and the supporting data of environment (temperature, pH, dissolved oxygen, and salinity). Data analysis includes the distribution pattern and abundance of the Marine Hermit Crabs population. Marine Hermit Crabs determination is carried out in the Research Center Laboratory of the Oceanography Indonesian Institute of Science Jakarta. Determination result obtains the 50 individuals of Marine Hermit Crabs consist of 1 family and 9 species, namely *Aniculus erythraeus*, *Calcinus morgani*, *Calcinus laevimanus*, *Clibarius corallinus*, *Clibanarius humilis*, *Clibanarius mergueinisis*, *Clibanarius striolatus*, *Clibanarius virescens*, and *Dardanus megistos*. Research result shows that the abundance of the Marine Hermit Crabs population in Sindangkerta Beach ranges of 1 ind/m² – 2 ind/m². In general the abundance analysis shows the low level of abundance. Morishita index analysis in general shows the distribution pattern of Marine Hermit Crabs in Sindangkerta Beach includes the category of clustering (Id > 1) and uniform (Id < 1).

Keywords: Sindangkerta Beach, distribution pattern, abundance population, Marine Hermit Crabs

