ABSTRACT

Tubagus Dinar Jantia. A.1310664. The Growth of Milkfish (*Chanos chanos*) in Silvoaquaculture Ponds in Indramayu District, West Java Province. Under Supervision of Muarif and Fia Sri Mumpuni.

The purpose of this research was to determine the growth of milkfish in silvoaquaculture and non silvoaquaculture ponds with different types of ponds and to determine differences in the growth of milkfish in silvoaquaculture and non silvoaquaculture ponds. Data collection starts from May to August 2019 in Brondong, Pabean Ilir, and Karangsong Villages, Indramayu District. This research method using survey techniques with purposive sampling. The research data was obtained through a survey (interview/questionnaire). Sampling of fish cultivators using purposive sampling technique. Growth data were analyzed using analysis of variance and Duncan's multiple range test. Water quality measured in situ. Growth of milkfish between silvoaquaculture pond types was significantly different and the highest growth value was found in raceways ponds (348.00 g). Growth of milkfish in non silvoaquaculture ponds was significantly different from from growth in raceways type silvoaquaculture ponds, but not significantly different from silvoaquaculture ponds with Kao-kao and Komplangan types. Water quality of all ponds is still in the proper range.

Keywords: Growth, Mangrove, Milkfish, Silvoaquaculture

ABSTRAK

Tubagus Dinar Jantia. A.1310664. Pertumbuhan Ikan Bandeng (*Chanos chanos*) di Tambak Silvoakuakultur di Kabupaten Indramayu Provinsi Jawa Barat. Dibawah Bimbingan Muarif dan Fia Sri Mumpuni.

Tujuan dari penelitian ini adalah untuk mengetahui pertumbuhan ikan bandeng di tambak silvoakuakultur dan non silvoakuakultur dengan tipe tambak yang berbeda, serta untuk mengetahui perbedaan pertumbuhan bandeng di tambak silvoakuakultur dan non silvoakuakutur. Pengumpulan data dimulai bulan Mei sampai Agustus 2019 di Desa Brondong, Pabean Ilir, dan Karangsong Kabupaten Indramayu. Metode penelitian ini menggunakan teknik survei dengan pengambilan sampel secara purposif. Data penelitian diperoleh melalui survei (wawancara/kuisioner). Pengambilan sampel pembudidaya ikan meggunakan teknik *purposive sampling*. Data pertumbuhan dianalisis menggunakan sidik ragam dan DMRT. Kualitas air diukur secara *in situ*. Pertumbuhan ikan bandeng antar tipe tambak silvoakuakultur berbeda nyata dan nilai tertinggi terdapat pada tambak empang parit (348,00g). Pertumbuhan ikan bandeng pada tambak non silvoakuakultur berbeda nyata dengan tambak silvoakuakultur tipe Empang Parit, akan tetapi tidak berbeda nyata dengan tambak silvoakuakultur tipe Kao-kao dan Komplangan. Kualitas air seluruh tambak masih dalam kisaran yang layak.

Kata kunci: Ikan Bandeng, Mangrove, Pertumbuhan, Silvoakuakultur.