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17 β -Estradiol Level of Nile Tilapia (*Oreochromis Niloticus*) after Induced with Supernatant of Yellowfin Tuna (*Thunnus Albacares*) Gonadal Female

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Abstract:Nile Tilapia (*O. niloticus*) is one commodity of freshwater which has high economical prospects as well as demand for this commodities to increase. Engineering reproductive technology has been applied. This research regarding the provision of gonadal supernatant biostimulanyellowfin tuna (*T. albacares*) for the reproduction of nile tilapia. The aim was assessedhormone 17 β -estradiollevel as its reproductive response. The method used was experimental and descriptive. The results showed that the value of 17 β -estradiol in 24 h time series average decreased by the difference value in 52,8pg/ml to 4.139,3pg/ml. Time series in 72 h showed an increased value 117,21pg/ml to more than 4.300pg/ml although no impairment at the highest dose of 236pg/ml to 2.810pg/ml. Time series in 144 h showed the average value of 17 β -estradiol that wastoo high at more than 4.300pg/ml.

Keywords:nile tilapia supernatant, estradiol 17 β .

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