

TINGKAH LAKU MAKAN LELE SANGKURIANG (*Clarias gariepinus* Var. Sangkuriang) TERHADAP BEBERAPA JENIS ANAK IKAN

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Abstrak

ABSTRACT

Dumbo (*Clarias gariepinus*) is one of walking catfish species from Africa. Dumbo was introduced to Indonesia in 1986. Sangkuriang (*Clarias gariepinus* var. Sangkuriang) is one of dumbo variant that was launched by Balai Budidaya Air Tawar Sukabumi.

The study about feeding behavior of sangkuriang is using juvenile of clarias (*Clarias gariepinus*), common carp (*Cyprinus carpio*), tambaqui (*Collossoma macropomum*) and tilapia (*Tilapia mossambica*) as preys. Feeding behavior and prey preference of sangkuriang were compared with dumbo (control). Parameters were observed in this study included: aggressivity, time needed to recognize the prey, velocity to attack the prey, and number of preys eating by two variant of catfish. The study was conducted in aquarium (artificial environment).

Number of preys have been eaten by dumbo and sangkuriang were recorded every 2 (two) hours along one day (24 hours). Data of each parameter of dumbo and sangkuriang was compared. Data analysis was using mean difference comparison with t-test for independence variance and one way ANOVA used SPSS program release 12.0.

In the feeding preference test, both of sangkuriang and dumbo were prefer to attack juvenile of common carp and juveniles of clarias was second preference. But in the feeding test, both of sangkuriang and dumbo preferred to eat juvenile of clarias itself more than three other species. Feeding preference of two variant of catfish were influenced by their prey behavior. Juveniles of clarias were the weakest preys. When juveniles of clarias needed oxygen, they would swim vertically to water surface. Its time, both sangkuriang and dumbo attacked juveniles of clarias on the weakest condition.

The time of sangkuriang ate maximum number of preys is between 02.00 ? 04.00 a.m. This result is match with many other research and studies that say catfish is nocturnal fish. Dumbo ate preys maximum between 12.00 ? 14.00. There are many previous studies describe that on the special case, catfish can be active on daytime. Dumbo was more aggressive than sangkuriang. Time attacked its preys by dumbo was faster than sangkuriang?s.. Dumbo was also more cannibal than sangkuriang. Sangkuriang ate preys more than dumbo. Both

of dumbo and sangkuriang can be serious threat if they enter into natural environment, because they will attack endemic fishes.