

# UJI TOKSISITAS BERBAGAI JENIS DAN KONSENTRASI DETERJEN TERHADAP TINGKAT KERUSAKAN INSANG DAN MORTALITASIKAN MAS (*Cyprinus carpio*)

---



Oleh: M. IMAM AKBAR AL- HAROMEIN ( 06330032 )

Biology

Dibuat: 2010-12-29 , dengan 7 file(s).

**Keywords:** toksisitas, air limbah deterjen, ikan mas (*Cyprinus carpio*)

## ABSTRACT

Toxicity is toxic relative character related with its potential to cause negative effect for living creature. Water pollution is the entrance of living creature, element, energy, and another component in water by human activity so that the water quality decreased into certain level which caused the water couldn't function as the general function. The research purpose is to find out the influence of various kind and concentrate of detergent to gills corruptness and mortality of gold fish (*Cyprinus carpio*), to find out the detergent brand which has the highest level to gold fish gills corruptness and mortality, beside, the research aimed to find out the influence of combination of kind and concentrate of detergent to the corruption of fish gills and mortality of gold fish.

The research was true experimental research. The experiment design used complete random design with 20 treatments, they were four kinds of detergents and each of detergent has 0.08 mg/L, 0.04 g/L, 0.07 g/L, 0.10 g/L, 0.13 g/L concentrates. While 4 detergents used were Attack, Rinso, Wings biru, dan Krim ekonomi. Sampling technique used to Simple Random Sampling. Research indicator was the level of fish gills corruption and mortality of gold fish.. Data analysis used two way ANAVA continued with Duncan's Test 1%.

According to two way ANAVA test, there showed that there is influence of detergent kind and concentrate to the level of gills corruptness and mortality of Gold fish (*Cyprinus carpio*). From the Duncan's Test 1%, concentrate of Wings Biru brand 0.13 g/L had the highest influence to the level of gills corruptness and mortality of gold fish. Attack Detergent concentrate 0.008 had the smallest influence.