

V. CONCLUSIONS AND SUGGESTIONS

5.1. Conclusions

Based on the results of this study, it can be concluded that:

1. The giant mottled eel oil (*A. marmorata*) is safe for consumption because the content of heavy metals (Hg, Pb, Cd, As and Ni) is lower than 0.100 mg/kg.
2. The cytotoxicity test to T47D cells showed that the giant mottled eel oil (*A. marmorata*) was classified as moderate cytotoxic with IC₅₀ value is 402.677 µg/ml.

5.2. Suggestions

Based on the research results that have been obtained, it is recommended to carry out further testing on the mechanism of inhibition to T47D cell growth using giant mottled eel oil (*A. marmorata*). Then, it is also recommended to do further cytotoxicity test of giant mottled eel oil to the others cancer cell lines by using another cytotoxicity assay and combine it with others medicine compound.

