



# MOLLUSCURE

(BIVALVE MOLLUSC TOXIC METALS REMOVAL SYSTEM)

## DESCRIPTION

This product is using the catalytic chelation technology. It adopts sustainable and green technology as it uses chelating agent such as Sodium Citrate and Sodium Acetate. By that, this product potentially produces unharmed and non-toxic bivalve mollusk.

### Needs

- a) Chelating agents
  - i) Eg : Sodium Citrate, Sodium Acetate
  - ii) Removing toxic and heavy metals presence in bivalve.
- b) Catalyst
  - i) Enhance the chelating process
  - ii) Chemical composition commonly available in potable water.

### Application

- a) First innovation technique for removal of toxic and heavy metals in bivalve mollusk (Eg: green mussel, cockles, and oyster) achieving Malaysia and EU Food Standards.
- b) Utilisation of cost effective chemicals and equipment for efficient treatment at affordable cost bivalve mollusk products from Malaysian aqua farms able to penetrate global markets.



### Benefits

- a) Increase production of mollusk.
- b) Can export seafood worldwide.
- c) Environmental friendly (No harmful waste).
- d) Healthy seafood products.
- e) Low cost (common oxidant and catalyst).

### Targeted Market

- a) Small and medium bivalve mollusk farm industries.
- b) Aquaculture industries.
- c) Technology industries



**PROJECT LEADER** : Prof. Dr. Abdul Rahim Mohd Yusoff  
**EMAIL** : arahimy@utm.my | rahim@kimia.fs.utm.my