# CHAPTER II

## MATERIALS AND METHODS

### Materials

1. **Samples**

    1.1 Beef (*Bos taurus*):- round, tenderloin, liver and heart.

    1.2 Pork (*Sus scrofa*):- round, tenderloin, liver and heart.

    1.3 Chicken (*Gallus domesticus*):- leg, breast, liver and heart.

    1.4 Snake-head fish (*Chana striatus*),

    Indo-Pacific mackerel (*Rastrelliger bachysoma*),

    Green mussel (*Mytilus smaragdimus*),

    Banana shrimp (*Penaeus merguiensis*)

    1.5 Cooked pork blood and cooked chicken blood (obtained from steam cooking)

2. **Chemicals**

    2.1 Iron standard solution for atomic absorption spectrophotometry, Fe 1.000 mg/ml (Farmitalia Carlo Erba)

    2.2 Hydrochloric acid 37%, A.R. (E. Merck)

    2.3 Nitric acid 70%, A.R. (British Drug House)

    2.4 Acetone, A.R. (J.T. Baker)

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4. <u>Statistical Analysis</u>

Results were analyzed statistically by one-way and two-way analysis of variance. Individual means and regression lines were compared when "F" was statistically significant at the 5 percent level of probability (Snedecor and Cochran, 1980).