LABORATORY EQUIPMENTS USED IN CHEMICAL ANALYSIS

Appendix 1 (a); Figure 1: High Performance Liquid Chromatograph (HPLC)

Appendix 1 (a); Figure 2: FOSS Tecator Digester Auto
Appendix 1 (a); Figure 3: FOSS Kjeltec 2200

Appendix 1 (a); Figure 4: Digitrate 0.1M hydrochloric acid titration
Appendix 1 (a); Figure 5: FOSS Soxtec 2055

Appendix 1 (a); Figure 6: Nabertherm muffle furnace
Appendix 1(a); Figure 7: Carbolite Oven

EQUIPMENTS USED AT AQUARIUM LABORATORY

Appendix 1 (a); Figure 8: Electronic top pan balance (AND EW-I Series)
Appendix 1 (a): Figure 9: Steam conditioned Pellet Mill (KCM, Y132M-4)

Appendix 1 (a): Figure 10: Prepared diet ready to be fed by fish
Appendix 1 (a): Figure 11: Meshed up fish fillet before proximate analysis

Appendix 1 (a): Figure 12: Experimental aquaria for growth trial
Appendix 1 (a); Figure 13: 1 kg DL-Methionine, SAFC
Appendix 2 (a); Figure 1: Life cycle of super worm (*Zophobas morio*)
Appendix 3 (a): Publication and Presentation from the Research

**SELECTED ACADEMIC JOURNAL**

Proceeding


Article papers


**PRESENTATION**

Oral

Effect of fish meal replacement by super worm meal (Zophobas morio) on growth performance and nutrient utilization of Nile Tilapia. The 15th Biological Sciences Graduate Congress “Bridging Ideas, Building Talents”, 15th Dec 2010 to 16th Dec 2010, Institute of Biological Sciences, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia. (International)

Poster

Effect of amino acid supplementation in super worm based diets on growth performances and feed utilization of juvenile Nile tilapia. International Fisheries Symposium, 3rd Oct 2011 to 5th Oct 2011,University of Malaysia Terengganu, Permai Hotel, Kuala Terengganu (International)

**AWARDS AND RECOGNITION**

Bronze Medal, BioInno Award, BioMalaysia, 2010, (International)