LIST OF TABLES

1.1. Physical characters of Liquid Cow dung and Poultry manure
1.2. Chemical nature of Liquid Cow dung and Poultry manure
1.3. Growth of *Chlorella* sp. in different ratio of anaerobically digested Cow dung and Poultry manure liquid
1.4. Growth of *Nannochloropsis* sp. in different ratio of anaerobically digested Cow dung and Poultry manure liquid
1.5. Growth of *Chaetoceros* sp. in different ratio of anaerobically digested Cow dung and Poultry manure liquid
1.6. Growth of *Pavlova* sp. in different ratio of anaerobically digested Cow dung and Poultry manure liquid
1.7. Effect of different quantity of LOM on growth of microalgae
1.8. Effect of different pH on growth of *Chlorella* sp.
1.9. Effect of different pH on growth of *Nannochloropsis* sp.
1.10. Effect of different pH on growth of *Chaetoceros* sp.
1.11. Effect of different pH on growth of *Pavlova* sp.
1.12. Effect of Conway medium on growth of different algae
1.13. Effect of Liquid Organic Medium on growth of different algae
2.1. Effect of yeast and yeast mixed with different algae on growth of *Brachionus rotundiformis*
2.2. Effect of yeast and yeast with different microalgae on growth of *Brachionus plicatilis*
2.3. Filtering rate of *Brachionus rotundiformis* fed with *Chlorella* sp.
2.4. Filtering rate of *Brachionus plicatilis* fed with *Chlorella* sp.
2.5. Effect of different pH on growth of *Brachionus rotundiformis*
2.6. Effect of different pH on growth of *Brachionus plicatilis*
2.7. Effect of different culture media for size of two *Brachionus* sp.
3.1. Development of different zooplankton before enriching the brackish water
3.2. Development of different zooplankton before enriching the saltpan water
3.3. Development of different zooplanktons from the pond scraps cultured in 10 ppt water
3.4. Production of cyclops when feeding with *Chlorella* sp.
3.5. Production of cyclops when feeding with *Nannochloropsis* sp.

3.6. Production of cyclops when feeding with *Chaetoceros* sp.

3.7. Production of cyclops when feeding with *Pavlova* sp.

3.8. Morphological variation of male and female cyclops

3.9. Effect of male and female ratios on reproductive success in Cyclops

3.10. Effect of different feed on size and reproductive capability of cyclops

3.11. Filtration rate of Cyclops fed with *Pavlova* sp.

3.12. Effect of different pH on population of Cyclops

4.1. Size ranges of emulsified oil droplets when emulsified with 1 ml algal oil at different speed and time

4.2. Size ranges of emulsified oil droplets when emulsified with 2 ml algal oil at different speed and time

4.3. Size ranges of emulsified oil droplets when emulsified with 3 ml algal oil at different speed and time

4.4. Bio-encapsulation of emulsified algal oil in rotifer during different time intervals

4.5. Bio-encapsulation of emulsified algal oil in cyclops during different time intervals

4.6. Effect of LOM and Conway medium grown microalgae for stage conversion of zoeal stages of shrimp, *Penaeus monodon* (Fabricius)

4.7. Effect of LOM and Conway medium grown microalgae enriched rotifer for stage conversion of Mysis larvae of shrimp, *Penaeus monodon* (Fabricius)

4.8. Effect of LOM and Conway medium grown microalgae enriched *A. royi* for stage conversion of Mysis larvae of shrimp, *Penaeus monodon* (Fabricius)

4.9. Effect of feeding inert *Nannochloropsis* sp. algal powder for zoea and mysis stage conversion in shrimp, *Penaeus monodon* (Fabricius)

4.10. Effect of feeding inert *Nannochloropsis* sp. with rotifer flakes for larval quality of shrimp, *Penaeus monodon* (Fabricius)

4.11. Effect of feeding *Nannochloropsis* sp. with cyclops flakes for larval quality of shrimp, *Penaeus monodon* (Fabricius)

4.12. Effect of feeding rotifer flakes on larval quality of shrimp, *Penaeus monodon*

4.13. Effect of feeding cyclops flakes on larval quality of shrimp, *Penaeus monodon*