REGIONAL TRAINING WORKSHOP ON LARVAL FISH IDENTIFICATION AND FISH EARLY LIFE HISTORY SCIENCE

WORK GROUP REPORT

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1. Introduction

**Objectives:**

- training on fish early life history identification…
- to standardize ichthyoplankton survey in ASEAN…
- to establish the network…
- This study: demonstrate the sampling method and practice to identify…
2. Methodology

- **Fish juvenile sampling:**
  - Pushnet (commercial fishing boat, gear used)
  - Time: night time
  - Place: Chaoprya river, river outlet...
  - Duration: 01 hour
  - Catch: sorted and weighted by species and commercial group
  - Sub sample was taken, rasing factor used...
2. Methodology

Eggs and larvae sampling
✓ M.V.SEAFDEC2…
✓ Ko Lan area…
✓ Bongo net…
✓ Day time…
✓ Calibration (5 operation)…
✓ Sampling duration 10s…
✓ Storage: 10% formaline
3. Result

3.1. Fish juveniles

- Species composition

- totally, 91.5 kg
3. Result

- Relative abundance ($N^0$/haul)
3. Result

3.2. Fish eggs

- Fish egg density (eggs /1000m³)

...
3. Result

3.2. Fish larvae
### 3. Result

- **Fish larval density (individuals per 1000m³)**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Family</th>
<th>No Ind.</th>
<th>Water Vol. (m³)</th>
<th>Density (Ind/1000m³)</th>
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</thead>
<tbody>
<tr>
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<td><strong>Engraulidae</strong></td>
<td>202</td>
<td>176</td>
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<td>2</td>
<td><strong>Carangidae</strong></td>
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<td>176</td>
<td>40</td>
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<td>3</td>
<td><strong>Callionymidae</strong></td>
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<td>176</td>
<td>28</td>
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<tr>
<td>4</td>
<td><strong>Mullidae</strong></td>
<td>3</td>
<td>176</td>
<td>17</td>
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<tr>
<td>5</td>
<td><strong>Cynoglossidae</strong></td>
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<td>17</td>
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<tr>
<td>6</td>
<td><strong>Scorpaenidae</strong></td>
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<td>7</td>
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<td>8</td>
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</table>
4. Discussion

- **Challenges**
  - Non experience (location, specialization)…
  - Survey time (duration), area limited…
  - Difficulties, e.g. guide for taxonomy…
  - New approach….???

- **Needs**
  - Demand on further study, research, exchange…
  - Governmental consideration…
Thanks for ur kind attention!!!