

LAMPIRAN

Lampiran I. Parameter Perairan

| Parameter | Stasiun | | | |
|----------------------|---------|-------|-------|------|
| | 1 | 2 | 3 | 4 |
| Kecerahan (%) | 44,5 | 71,9 | 66,9 | 72,7 |
| Kecepatan Arus (m/s) | 0,06 | 0,09 | 0,05 | 0,03 |
| Suhu (°C) | 29 | 29,23 | 29,13 | 29 |
| Salinitas (ppt) | 28 | 32,7 | 33 | 33,7 |
| pH | 7,88 | 8,05 | 7,96 | 8,1 |
| DO (mg/L) | 6,75 | 7,14 | 7,13 | 7,1 |
| Kedalaman (m) | 4 | 4,52 | 4,41 | 5,02 |

Lampiran II. Hasil pengolahan data tutupan karang Stasiun 1

| CATEGORIES | # Points | % | SW Index | Simpson (1-D) |
|--------------------------------------|----------|--------|----------|---------------|
| Coral | | | | |
| Acropora Branching (ACB) | 5 | 0,86 | 0,07 | 0,00 |
| Acropora Digitate (ACD) | 25 | 4,31 | 0,21 | 0,01 |
| Acropora Encrusting (ACE) | 2 | 0,34 | 0,03 | 0,00 |
| Acropora Submassive (ACS) | 4 | 0,69 | 0,06 | 0,00 |
| Coral Branching (CB) | 2 | 0,34 | 0,03 | 0,00 |
| Coral Encrusting (CE) | 15 | 2,59 | 0,15 | 0,00 |
| Coral Foliose (CF) | 49 | 8,45 | 0,30 | 0,03 |
| Coral Massive (CM) | 176 | 30,34 | 0,31 | 0,36 |
| Coral Mushroom (CMR) | 14 | 2,41 | 0,15 | 0,00 |
| Recent Dead Coral | | | | |
| Recently Dead Coral (DC) | 57 | 9,83 | 0,00 | 1,00 |
| Dead Coral with Algae | | | | |
| Dead Coral with algae (DCA) | 157 | 27,07 | 0,00 | 1,00 |
| Soft Coral | | | | |
| Soft Coral (SC) | 6 | 1,03 | 0,00 | 1,00 |
| Sponge | | | | |
| Sponge (SP) | | | | |
| Other Biota | 5 | 0,86 | 0,00 | 1,00 |
| Other (Fauna) (OT) | 17 | 2,93 | 0,00 | 1,00 |
| Rubble | | | | |
| Rubble (R) | 27 | 4,66 | 0,00 | 1,00 |
| Sand | | | | |
| Sand (S) | 13 | 2,24 | 0,00 | 1,00 |
| Bleached coral point | | | | |
| Bleached coral point (BL) | 6 | 1,03 | 0,00 | 1,00 |
| Tape, wand, shadow | | | | |
| Tape, Wand, Shadow (TWS) | 0 | 0,00 | | 0,00 |
| Total pts. minus (tape+wand+shadow): | 580,00 | 100,00 | | |

Lampiran III. Hasil pengolahan data tutupan karang Stasiun 2

| CATEGORIES | # Points | % | SW Index | Simpson (1-D) |
|--------------------------------------|-----------------|----------|-----------------|----------------------|
| Coral | | | | |
| Acropora Branching (ACB) | 33 | 5,50 | 0,27 | 0,02 |
| Acropora Digitate (ACD) | 1 | 0,17 | 0,02 | 0,00 |
| Acropora Submassive (ACS) | 61 | 10,17 | 0,34 | 0,06 |
| Coral Encrusting (CE) | 1 | 0,17 | 0,02 | 0,00 |
| Coral Foliose (CF) | 5 | 0,83 | 0,08 | 0,00 |
| Coral Massive (CM) | 105 | 17,50 | 0,37 | 0,17 |
| Coral Mushroom (CMR) | 3 | 0,50 | 0,05 | 0,00 |
| Coral Submassive (CS) | 45 | 7,50 | 0,31 | 0,03 |
| Recent Dead Coral | | | | |
| Recently Dead Coral (DC) | 262 | 43,67 | 0,00 | 1,00 |
| Dead Coral with Algae | | | | |
| Dead Coral with algae (DCA) | 29 | 4,83 | 0,00 | 1,00 |
| Soft Coral | | | | |
| Soft Coral (SC) | 31 | 5,17 | 0,00 | 1,00 |
| Fleshy Seaweed | | | | |
| Algal assemblage (AA) | 9 | 1,50 | 0,00 | 1,00 |
| Other Biota | | | | |
| Other(Fauna) (OT) | 7 | 1,17 | 0,00 | 1,00 |
| Rubble | | | | |
| Rubble (R) | 8 | 1,33 | 0,00 | 1,00 |
| Tape, wand, shadow | | | | |
| Tape, Wand, Shadow (TWS) | 0 | 0,00 | | 0,00 |
| Total pts. minus (tape+wand+shadow): | 600,00 | 100,00 | | |

Lampiran IV. Hasil pengolahan data tutupan karang Stasiun 3

| CATEGORIES | # Points | % | SW Index | Simpson (1-D) |
|---|-----------------|----------|-----------------|----------------------|
| Coral | | | | |
| Acropora Branching (ACB) | 13 | 2,17 | 0,14 | 0,00 |
| Acropora Encrusting (ACE) | 5 | 0,83 | 0,07 | 0,00 |
| Acropora Submassive (ACS) | 6 | 1,00 | 0,08 | 0,00 |
| Coral Branching (CB) | 11 | 1,83 | 0,13 | 0,00 |
| Coral Encrusting (CE) | 1 | 0,17 | 0,02 | 0,00 |
| Coral Foliose (CF) | 82 | 13,67 | 0,36 | 0,08 |
| Coral Massive (CM) | 85 | 14,17 | 0,36 | 0,09 |
| Coral Mushroom (CMR) | 71 | 11,83 | 0,35 | 0,06 |
| Coral Submassive (CS) | 13 | 2,17 | 0,14 | 0,00 |
| Recent Dead Coral | | | | |
| Recently Dead Coral (DC) | 250 | 41,67 | 0,00 | 1,00 |
| Dead Coral with Algae | | | | |
| Dead Coral with algae (DCA) | 1 | 0,17 | 0,00 | 1,00 |
| Soft Coral | | | | |
| Soft Coral (SC) | 37 | 6,17 | 0,00 | 1,00 |
| Sponge | | | | |
| Sponge (SP) | 13 | 2,17 | 0,00 | 1,00 |
| Other Biota | | | | |
| Other (Fauna) (OT) | 2 | 0,33 | 0,00 | 1,00 |
| Rubble | | | | |
| Rubble (R) | 8 | 1,33 | 0,00 | 1,00 |
| Sand | | | | |
| Sand (S) | 2 | 0,33 | 0,00 | 1,00 |
| Tape, wand, shadow | | | | |
| Tape, Wand, Shadow (TWS) | 0 | 0,00 | | 0,00 |
| Total pts. minus (tape+wand+shadow): | 600,00 | 100,00 | | |

Lampiran V. Hasil pengolahan data tutupan karang Stasiun 4

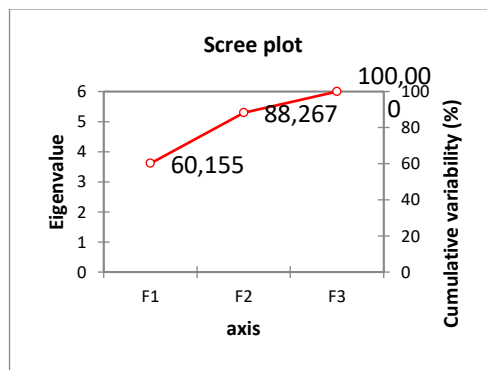
| CATEGORIES | # Points | % | SW Index | Simpson (1-D) |
|--------------------------------------|-----------------|----------|-----------------|----------------------|
| Coral | | | | |
| Acropora Branching (ACB) | 1 | 0,17 | 0,03 | 0,00 |
| Acropora Submassive (ACS) | 93 | 15,50 | 0,35 | 0,24 |
| Coral Foliose (CF) | 8 | 1,33 | 0,13 | 0,00 |
| Coral Massive (CM) | 48 | 8,00 | 0,35 | 0,06 |
| Coral Mushroom (CMR) | 20 | 3,33 | 0,24 | 0,01 |
| Coral Submassive (CS) | 21 | 3,50 | 0,24 | 0,01 |
| Recent Dead Coral | | | | |
| Recently Dead Coral (DC) | 296 | 49,33 | 0,00 | 1,00 |
| Dead Coral with Algae | | | | |
| Dead Coral with algae (DCA) | 1 | 0,17 | 0,00 | 1,00 |
| Soft Coral | | | | |
| Soft Coral (SC) | 28 | 4,67 | 0,00 | 1,00 |
| Other Biota | | | | |
| Other(Fauna) (OT) | 82 | 13,67 | 0,01 | 0,98 |
| Zoanthid (ZO) | 1 | 0,17 | 0,05 | 0,00 |
| Rubble | | | | |
| Rubble (R) | 1 | 0,17 | 0,00 | 1,00 |
| Tape, wand, shadow | | | | |
| Tape, Wand, Shadow (TWS) | 0 | 0,00 | | 0,00 |
| Total pts. minus (tape+wand+shadow): | 600,00 | 100,00 | | |

Lampiran VI. Keterkaitan Kualitas Perairan Dengan Tutupan Karang Keras dan Karang Lunak di Pulau Kelagian

➤ Eigenvalues

| | F1 | F2 | F3 |
|-----------------|--------|--------|---------|
| Eigenvalue | 5,969 | 1,571 | 0,460 |
| Variability (%) | 74,612 | 19,640 | 5,748 |
| Cumulative (%) | 74,612 | 94,252 | 100,000 |

➤ Screen Plot



➤ Eigenvectors

| | F1 | F2 | F3 |
|----------------------|--------|--------|--------|
| Kecerahan (%) | 0,450 | -0,086 | -0,102 |
| DO (mg/l) | 0,242 | 0,556 | 0,155 |
| Suhu (°C) | 0,111 | 0,644 | 0,097 |
| Salinitas (ppt) | 0,369 | -0,239 | 0,478 |
| pH | 0,450 | -0,086 | -0,102 |
| Arus | -0,369 | 0,239 | -0,478 |
| tutupan karang | -0,321 | 0,223 | 0,647 |
| tutupan karang lunak | 0,386 | 0,311 | -0,264 |

➤ Factor loadings

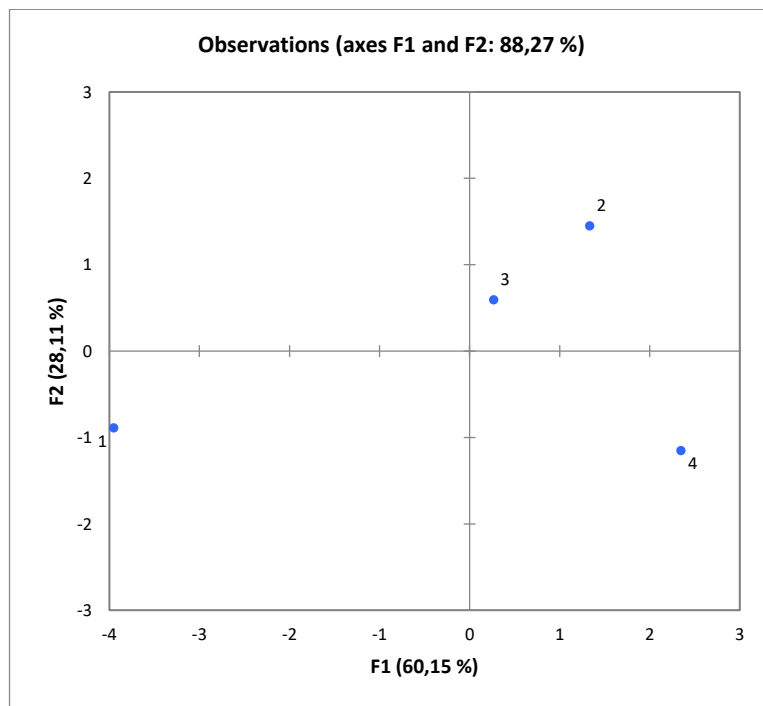
| | F1 | F2 | F3 |
|----------------------|--------|--------|--------|
| Kecerahan (%) | 0,987 | -0,130 | -0,099 |
| DO (mg/l) | 0,530 | 0,834 | 0,150 |
| Suhu (°C) | 0,243 | 0,965 | 0,094 |
| Salinitas (ppt) | 0,810 | -0,359 | 0,463 |
| pH | 0,987 | -0,130 | -0,099 |
| Arus | -0,810 | 0,359 | -0,463 |
| tutupan karang | -0,704 | 0,334 | 0,627 |
| tutupan karang lunak | 0,846 | 0,467 | -0,256 |

➤ Contribution of the variables

| | F1 | F2 | F3 |
|----------------------|--------|--------|--------|
| Kecerahan (%) | 20,226 | 0,747 | 1,050 |
| DO (mg/l) | 5,841 | 30,962 | 2,404 |
| Suhu (°C) | 1,229 | 41,439 | 0,949 |
| Salinitas (ppt) | 13,646 | 5,719 | 22,869 |
| pH | 20,226 | 0,747 | 1,050 |
| Arus | 13,646 | 5,719 | 22,869 |
| tutupan karang | 10,295 | 4,973 | 41,836 |
| tutupan karang lunak | 14,890 | 9,694 | 6,972 |

➤ Contribution of the observations

| | F1 | F2 | F3 |
|---|--------|--------|--------|
| 1 | 81,128 | 8,773 | 15,941 |
| 2 | 9,271 | 23,299 | 0,008 |
| 3 | 0,371 | 3,897 | 45,698 |
| 4 | 28,660 | 14,737 | 8,171 |

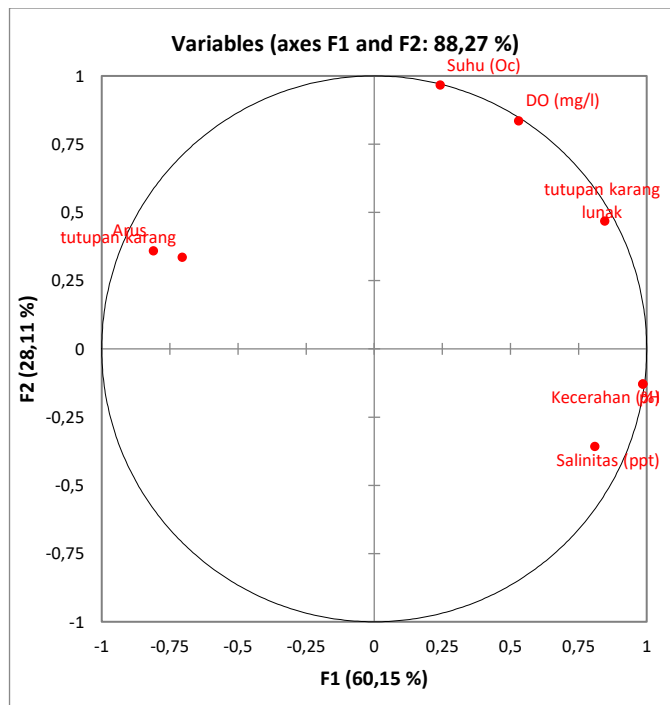


➤ Squared cosines of the variables

| | F1 | F2 | F3 |
|----------------------|--------------|--------------|-------|
| Kecerahan (%) | 0,973 | 0,017 | 0,010 |
| DO (mg/L) | 0,281 | 0,696 | 0,023 |
| Suhu (°C) | 0,059 | 0,932 | 0,009 |
| Salinitas (ppt) | 0,657 | 0,129 | 0,215 |
| pH | 0,973 | 0,017 | 0,010 |
| Arus | 0,657 | 0,129 | 0,215 |
| Tutupan karang | 0,495 | 0,112 | 0,393 |
| Tutupan karang lunak | 0,717 | 0,218 | 0,065 |

➤ Correlation between variables and factors

| | F1 | F2 | F3 |
|----------------------|--------|--------|--------|
| Kecerahan (%) | 0,987 | -0,130 | -0,099 |
| DO (mg/L) | 0,530 | 0,834 | 0,150 |
| Suhu (°C) | 0,243 | 0,965 | 0,094 |
| Salinitas (ppt) | 0,810 | -0,359 | 0,463 |
| pH | 0,987 | -0,130 | -0,099 |
| Arus | -0,810 | 0,359 | -0,463 |
| Tutupan karang | -0,704 | 0,334 | 0,627 |
| Tutupan karang lunak | 0,846 | 0,467 | -0,256 |



➤ Squared cosines of the variables

| | F1 | F2 | F3 |
|----------------------|--------------|--------------|-------|
| Kecerahan (%) | 0,973 | 0,017 | 0,010 |
| DO (mg/L) | 0,281 | 0,696 | 0,023 |
| Suhu (°C) | 0,059 | 0,932 | 0,009 |
| Salinitas (ppt) | 0,657 | 0,129 | 0,215 |
| pH | 0,973 | 0,017 | 0,010 |
| Arus | 0,657 | 0,129 | 0,215 |
| Tutupan karang | 0,495 | 0,112 | 0,393 |
| Tutupan karang lunak | 0,717 | 0,218 | 0,065 |

➤ Factor Scores

| Observation | F1 | F2 | F3 |
|-------------|--------|--------|--------|
| 1 | -3,952 | -0,888 | -0,774 |
| 2 | 1,336 | 1,448 | 0,018 |
| 3 | 0,267 | 0,592 | 1,310 |
| 4 | 2,349 | -1,151 | -0,554 |

➤ Squared cosines of the observations

| | F1 | F2 | F3 |
|---|--------------|--------------|--------------|
| 1 | 0,918 | 0,046 | 0,035 |
| 2 | 0,460 | 0,540 | 0,000 |
| 3 | 0,033 | 0,164 | 0,803 |
| 4 | 0,772 | 0,185 | 0,043 |

Lampiran VII. Indeks Tutupan Karang Keras dan Karang Lunak

Indeks Tutupan Karang Keras Stasiun 1

| Stasiun 1 | % | point | ni/N(Pi) | ni/N ² | Ln Pi | ∑ Pi Ln Pi |
|----------------------------------|--------------|------------|-----------|-------------------|----------|-----------------|
| <i>Acropora Branching</i> (ACB) | 5 | 30 | 0,1094891 | 0,01198785 | -2,21193 | 0,242182 |
| <i>Acropora Submassive</i> (ACS) | 1,83 | 11 | 0,040146 | 0,0016117 | -3,21523 | 0,129079 |
| <i>Coral Branching</i> (CB) | 1,67 | 10 | 0,0364964 | 0,00133198 | -3,31054 | 0,120823 |
| <i>Coral Encrusting</i> (CE) | 2,33 | 14 | 0,0510949 | 0,00261069 | -2,97407 | 0,15196 |
| <i>Coral Foliose</i> (CF) | 1,17 | 7 | 0,0255474 | 0,00065267 | -3,66722 | 0,093688 |
| <i>Coral Massive</i> (CM) | 29,17 | 175 | 0,6386861 | 0,40791997 | -0,44834 | 0,28635 |
| <i>Coral Mushroom</i> (CMR) | 4,5 | 27 | 0,0985401 | 0,00971016 | -2,31729 | 0,228346 |
| Jumlah | 45,67 | 274 | | 0,43582503 | | 1,252428 |

| | |
|----------------------------|----------------|
| Jumlah genus | 7 |
| H' maks | 1,94591 |
| Dominansi (C) | 0,43583 |
| Keanekaragaman (H') | 1,25243 |
| Keseragaman € | 0,64362 |

Indeks Tutupan Karang Keras Stasiun 2

| Stasiun 2 | % | point | ni/N(Pi) | ni/N ² | Ln Pi | ∑ Pi Ln Pi |
|----------------------------------|--------------|------------|-----------|-------------------|----------|-----------------|
| <i>Acropora Branching</i> (ACB) | 5,5 | 33 | 0,1299213 | 0,01687953 | -2,04083 | 0,265147 |
| <i>Acropora Digitate</i> (ACD) | 0,17 | 1 | 0,003937 | 1,55E-05 | -5,53733 | 0,021801 |
| <i>Acropora Submassive</i> (ACS) | 10,17 | 61 | 0,2401575 | 0,05767562 | -1,42646 | 0,342575 |
| <i>Coral Encrusting</i> (CE) | 0,17 | 1 | 0,003937 | 1,55E-05 | -5,53733 | 0,021801 |
| <i>Coral Foliose</i> (CF) | 0,83 | 5 | 0,019685 | 0,0003875 | -3,9279 | 0,077321 |
| <i>Coral Massive</i> (CM) | 17,5 | 105 | 0,4133858 | 0,17088784 | -0,88337 | 0,365174 |
| <i>Coral Mushroom</i> (CMR) | 0,5 | 3 | 0,011811 | 0,0001395 | -4,43872 | 0,052426 |
| <i>Coral Submassive</i> (CS) | 7,5 | 45 | 0,1771654 | 0,03138756 | -1,73067 | 0,306615 |
| Jumlah | 42,34 | 254 | | 0,27738855 | | 1,452859 |

| | |
|----------------------------|----------------|
| Jumlah genus | 8 |
| H' maks | 2,07944 |
| Dominansi (C) | 0,27739 |
| Keanekaragaman (H') | 1,45286 |
| Keseragaman | 0,69868 |

Indeks Tutupan Karang Keras Stasiun 3

| Stasiun 3 | % | point | ni/N (Pi) | ni/N ² | Ln Pi | $\sum Pi Ln Pi$ |
|----------------------------------|--------------|------------|-----------|-------------------|----------|-----------------|
| <i>Acropora Branching</i> (ACB) | 2,17 | 13 | 0,0452962 | 0,00205174 | -3,09453 | 0,14017 |
| <i>Acropora Encrusting</i> (CE) | 0,83 | 5 | 0,0174216 | 0,00030351 | -4,05004 | 0,070558 |
| <i>Acropora Submassive</i> (ACS) | 1 | 6 | 0,0209059 | 0,00043706 | -3,86772 | 0,080858 |
| <i>Coral Branching</i> (CB) | 1,83 | 11 | 0,0383275 | 0,001469 | -3,26159 | 0,125009 |
| <i>Coral Encrusting</i> (CE) | 0,17 | 1 | 0,0034843 | 1,214E-05 | -5,65948 | 0,019719 |
| <i>Coral Foliose</i> (CF) | 13,67 | 82 | 0,2857143 | 0,08163265 | -1,25276 | 0,357932 |
| <i>Coral Massive</i> (CM) | 14,17 | 85 | 0,2961672 | 0,08771504 | -1,21683 | 0,360385 |
| <i>Coral Mushroom</i> (CMR) | 11,83 | 71 | 0,2473868 | 0,06120021 | -1,3968 | 0,34555 |
| <i>Coral Submassive</i> (CS) | 2,17 | 13 | 0,0452962 | 0,00205174 | -3,09453 | 0,14017 |
| Jumlah | 47,84 | 287 | | 0,2368731 | | 1,640354 |

| | |
|-----------------------|----------------|
| Jumlah genus | 9 |
| H' maks | 2,19722 |
| Dominansi | 0,23687 |
| Keanekaragaman | 1,64035 |
| Keseragaman | 0,74656 |

Indeks Tutupan Karang Keras Stasiun 4

| Stasiun 4 | % | point | ni/N (Pi) | ni/N ² | Ln Pi | $\sum Pi Ln Pi$ |
|----------------------------------|--------------|------------|-----------|-------------------|----------|-----------------|
| <i>Acropora Branching</i> (ACB) | 0,17 | 1 | 0,0052356 | 2,7412E-05 | -5,25227 | 0,027499 |
| <i>Acropora Submassive</i> (ACS) | 15,5 | 93 | 0,486911 | 0,23708232 | -0,71967 | 0,350417 |
| <i>Coral Foliose</i> (CF) | 1,33 | 8 | 0,0418848 | 0,00175434 | -3,17283 | 0,132893 |
| <i>Coral Massive</i> (CM) | 8 | 48 | 0,2513089 | 0,06315616 | -1,38107 | 0,347076 |
| <i>Coral Mushroom</i> (CMR) | 3,33 | 20 | 0,104712 | 0,01096461 | -2,25654 | 0,236287 |
| <i>Coral Submassive</i> (CS) | 3,5 | 21 | 0,1099476 | 0,01208848 | -2,20775 | 0,242737 |
| Jumlah | 31,83 | 191 | | 0,32507333 | | 1,336909 |

| | |
|-----------------------|----------------|
| Jumlah genus | 6 |
| H' maks | 1,79176 |
| Dominansi | 0,32507 |
| Keanekaragaman | 1,33691 |
| Keseragaman | 0,74614 |

Indeks Tutupan Karang Lunak Stasiun 1

| Stasiun 1 | % | point | ni/N (Pi) | ni/N ² | Ln Pi | Pi Ln Pi |
|------------------|------|-------|-----------|-------------------|-------|----------|
| <i>Sinularia</i> | 1,03 | 6 | 1 | 1 | 0 | 0 |
| | | 6 | | | | |

| | |
|-----------------------|----------------|
| Jumlah genus | 1 |
| H' maks | 0 |
| Dominansi | 1 |
| Keanekaragaman | 0 |
| Keseragaman | #DIV/0! |

Indeks Tutupan Karang Lunak Stasiun 2

| Stasiun 2 | % | point | ni/N (Pi) | Pi ² | Ln Pi | Pi Ln Pi |
|-------------------|------|-------|-----------|-----------------|-------|----------|
| <i>Lobophytum</i> | 5,17 | 31 | 1 | 1 | 0 | 0 |
| | | 31 | | | | |

| | |
|-----------------------|----------------|
| Jumlah genus | 1 |
| H' maks | 0 |
| Dominansi | 1 |
| Keanekaragaman | 0 |
| Keseragaman | #DIV/0! |

Indeks Tutupan Karang Lunak Stasiun 3

| Stasiun 3 | % | point | ni/N (Pi) | Pi ² | Ln Pi | Pi Ln Pi |
|-------------------|------|-------|-----------|-----------------|-------|----------|
| <i>Clavularia</i> | 3,83 | 23 | 1 | 1 | 0 | 0 |
| | | 23 | | | | |

| | |
|-----------------------|----------------|
| Jumlah genus | 1 |
| H' maks | 0 |
| Dominansi | 1 |
| Keanekaragaman | 0 |
| Keseragaman | #DIV/0! |

Indeks Tutupan Karang Lunak Stasiun 4

| Stasiun 4 | % | point | ni/N (Pi) | Pi ² | Ln Pi | Pi Ln Pi |
|-------------------|------|-------|-----------|-----------------|-------|----------|
| <i>Lobophytum</i> | 4,67 | 28 | 1 | 1 | 0 | 0 |
| | | 28 | | | | |

| | |
|-----------------------|----------------|
| Jumlah genus | 1 |
| H' maks | 0 |
| Dominansi | 1 |
| Keanekaragaman | 0 |
| Keseragaman | #DIV/0! |

Indeks Keseluruhan Tutupan Karang Keras

| Seluruh stasiun | point | ni/N (Pi) | ni/N ² | Ln Pi | ∑ Pi Ln Pi |
|----------------------------------|-------------|-----------|-------------------|------------|-----------------|
| <i>Acropora Branching (ACB)</i> | 77 | 0,076541 | 0,0058585 | -2,5699319 | 0,196705 |
| <i>Acropora Digitate (ACD)</i> | 1 | 0,17 | 0,0289 | -1,7719568 | 0,301233 |
| <i>Acropora Encrusting (ACE)</i> | 5 | 0,83 | 0,6889 | -0,1863296 | 0,154654 |
| <i>Acropora Submassive (ACS)</i> | 171 | 0,16998 | 0,0288932 | -1,7720738 | 0,301217 |
| <i>Coral Branching (CB)</i> | 21 | 0,020875 | 0,0004358 | -3,8692149 | 0,080769 |
| <i>Coral Encrusting (CE)</i> | 16 | 0,015905 | 0,000253 | -4,1411486 | 0,065863 |
| <i>Coral Foliose (CF)</i> | 102 | 0,101392 | 0,0102803 | -2,2887645 | 0,232062 |
| <i>Coral Massive (CM)</i> | 413 | 0,410537 | 0,1685404 | -0,8902898 | 0,365497 |
| <i>Coral Mushroom (CMR)</i> | 121 | 0,120278 | 0,0144669 | -2,1179468 | 0,254743 |
| <i>Coral Submassive (CS)</i> | 79 | 0,078529 | 0,0061668 | -2,5442895 | 0,1998 |
| Jumlah | 1006 | | 0,9526948 | | 2,152542 |

| | |
|-----------------------|----------------|
| Jumlah genus | 10 |
| H' maks | 2,30259 |
| Dominansi | 0,95269 |
| Keanekaragaman | 2,15254 |
| Keseragaman | 0,93484 |

Indeks Keseluruhan Tutupan Karang Lunak

| Seluruh stasiun | % | point | ni/N (Pi) | Pi ² | Ln Pi | Pi Ln Pi |
|-------------------|-------------|-----------|-----------|-----------------|----------|-----------------|
| <i>Clavularia</i> | 3,83 | 23 | 0,261364 | 0,068311 | -1,34184 | 0,350709 |
| <i>Lobophytum</i> | 9,84 | 59 | 0,670455 | 0,449509 | -0,3998 | 0,268047 |
| <i>Sinularia</i> | 1,03 | 6 | 0,068182 | 0,004649 | -2,68558 | 0,183108 |
| Jumlah | 14,7 | 88 | | 0,522469 | | 0,801864 |

| | |
|-----------------------|-----------------|
| Jumlah genus | 3 |
| H' maks | 1,098612 |
| Dominansi | 0,522469 |
| Keanekaragaman | 0,801864 |
| Keseragaman | 0,729888 |

Lampiran VIII. Dokumentasi Pengambilan Data di Lapangan



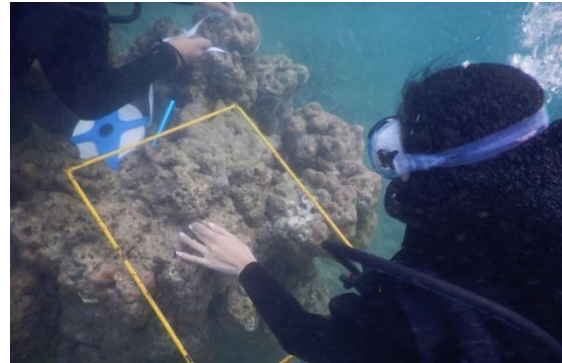
Persiapan Alat



Penentuan Titik Lokasi



Memasang *line* transek



Pengambilan data terumbu karang



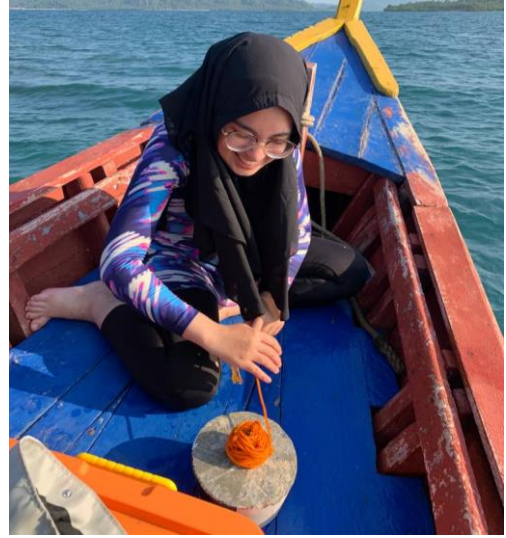
Pengukuran Salinitas



Pengukuran DO dan Suhu

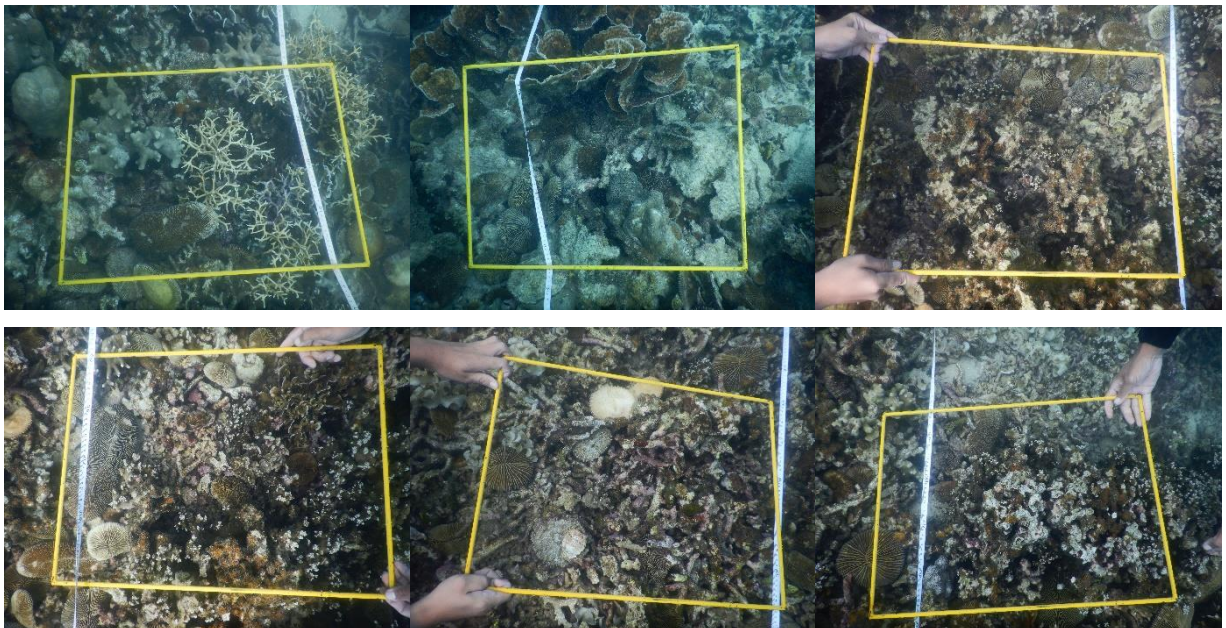


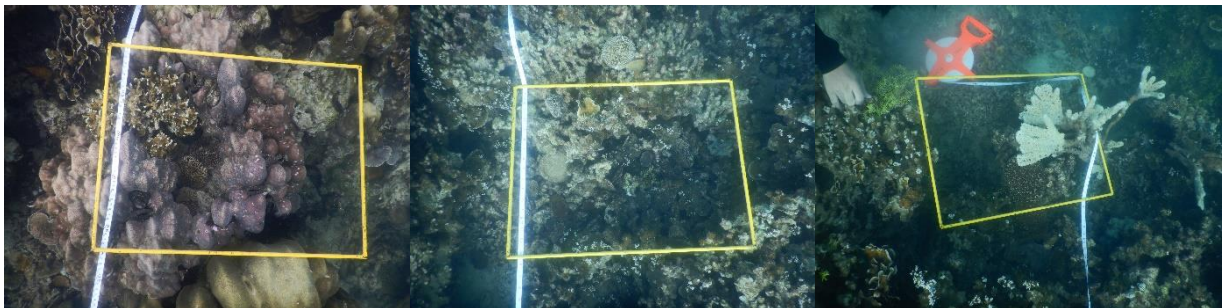
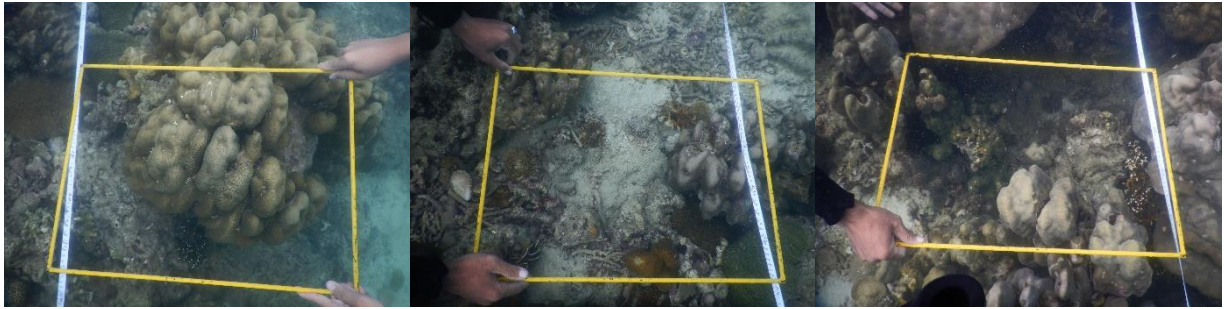
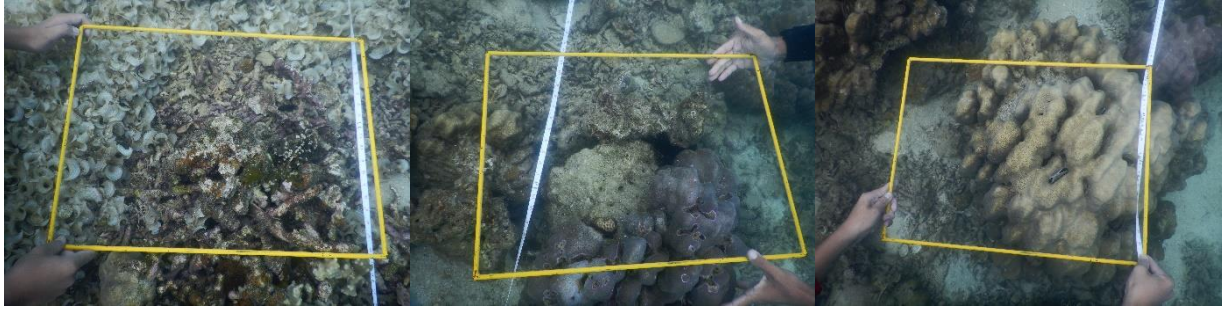
Pengukuran pH

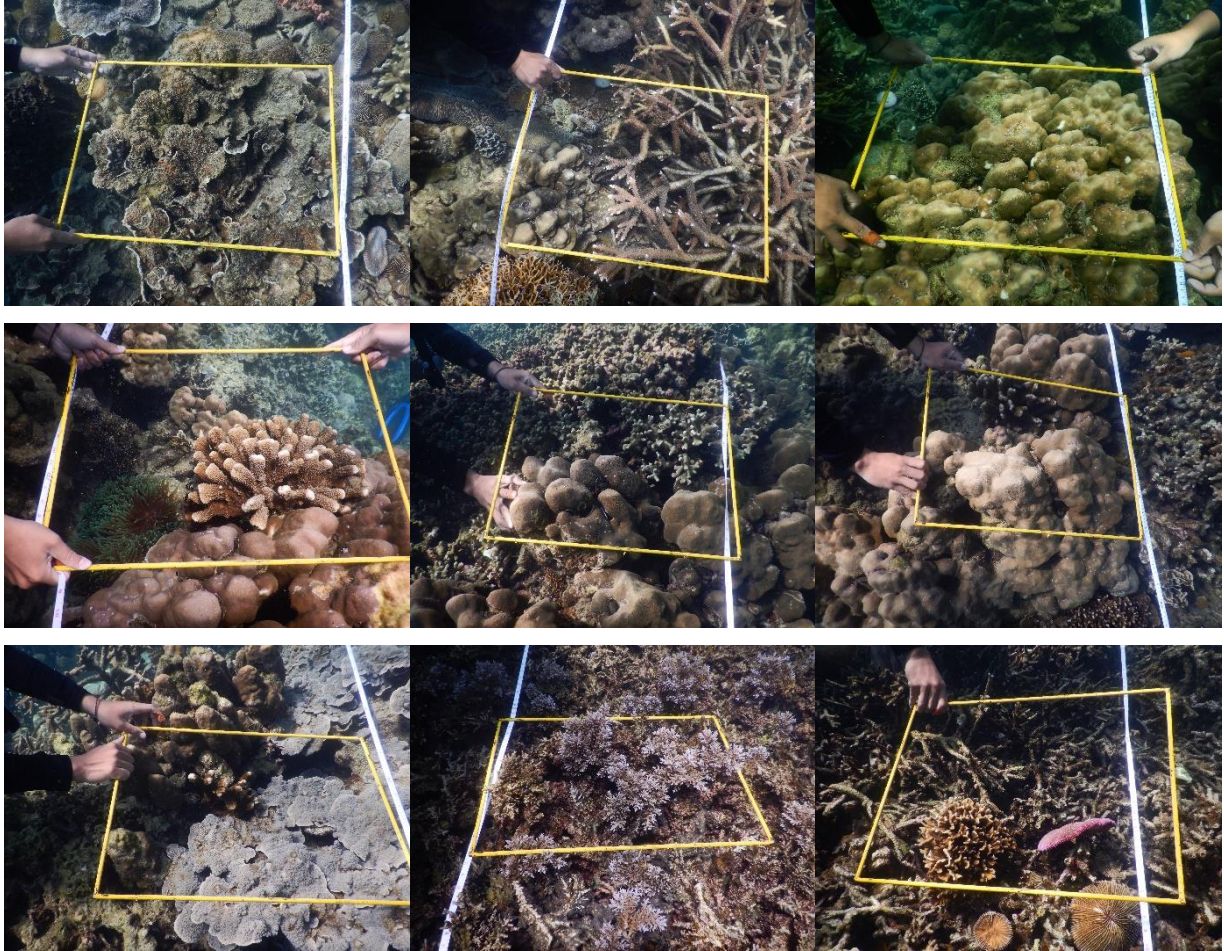


Pengukuran Kecerahan

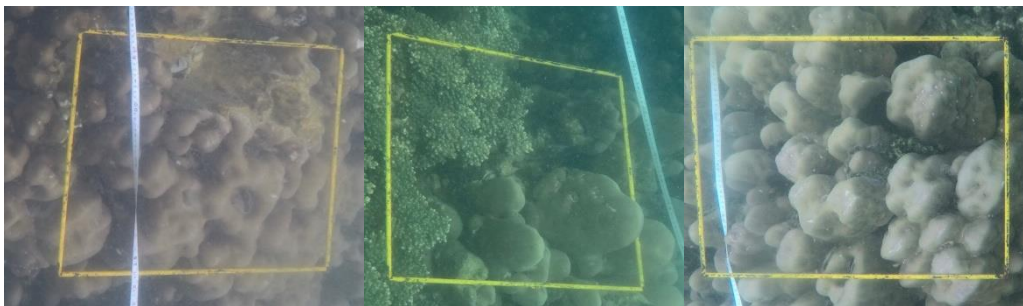
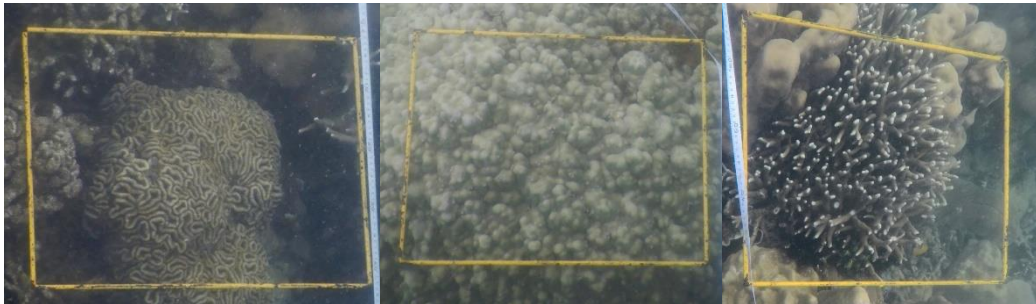
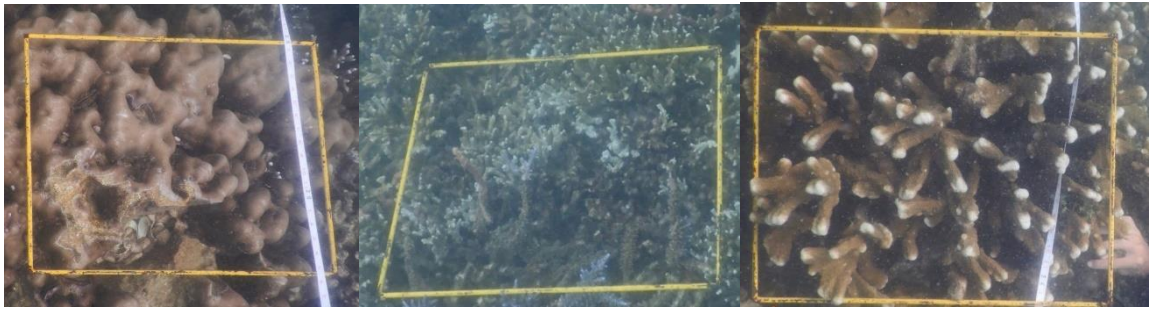
LAMPIRAN 9. Transek Stasiun 1

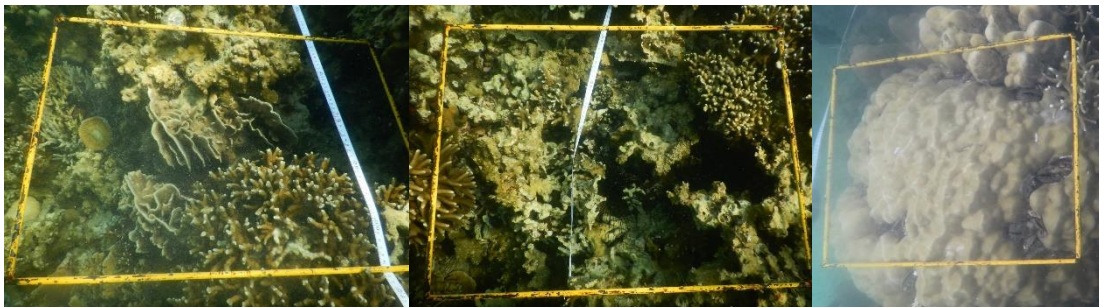
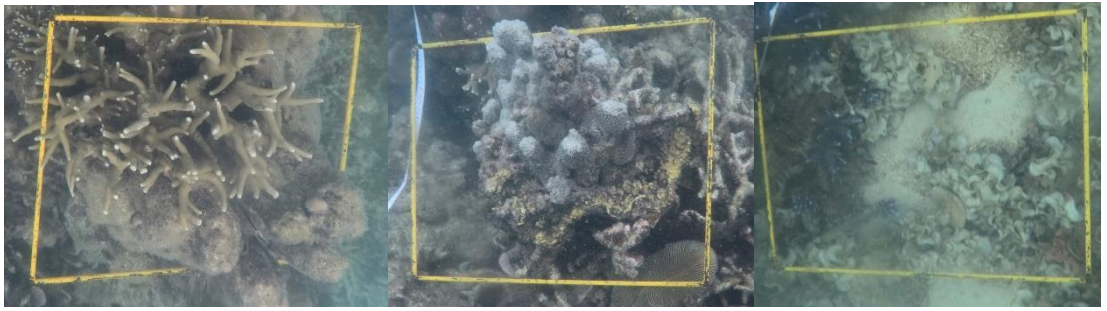




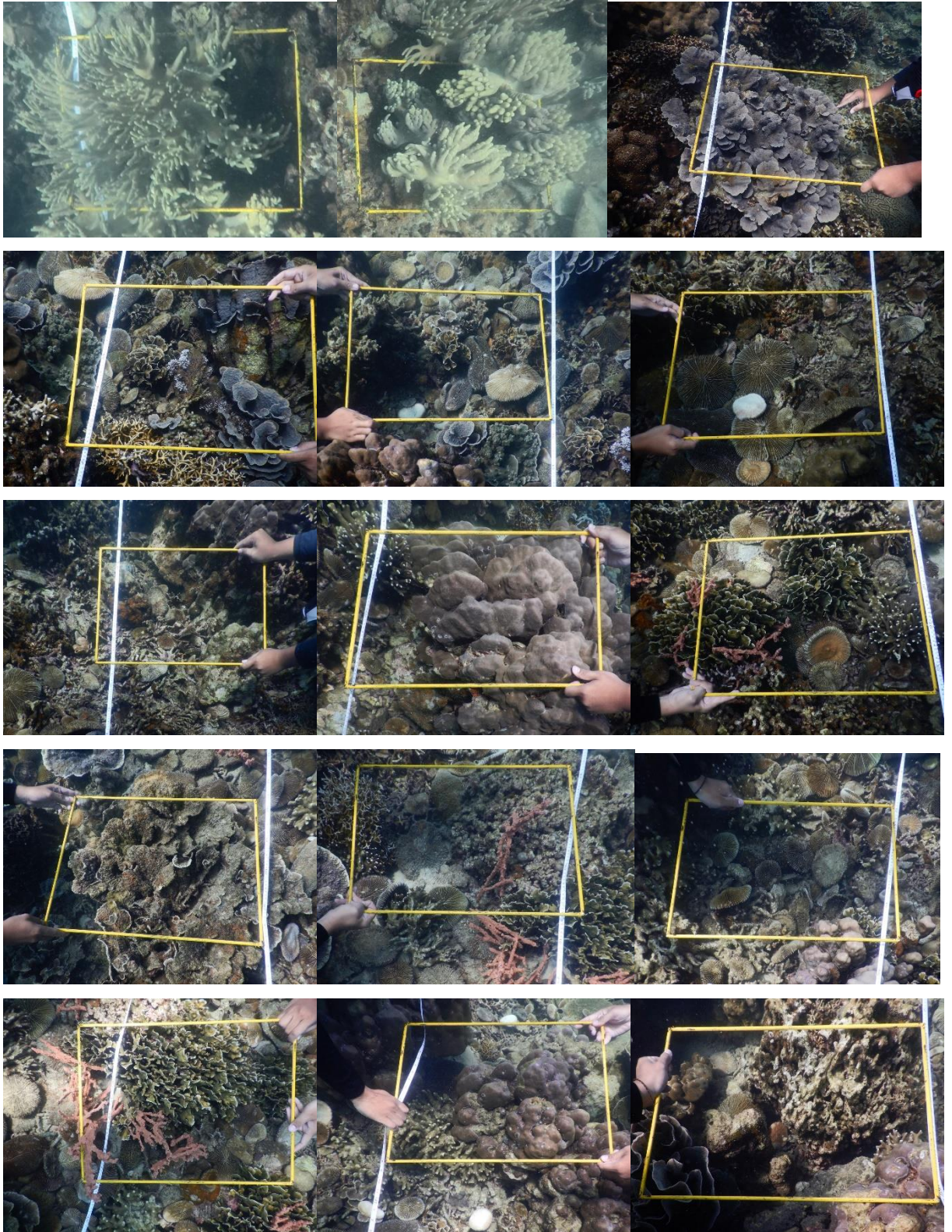


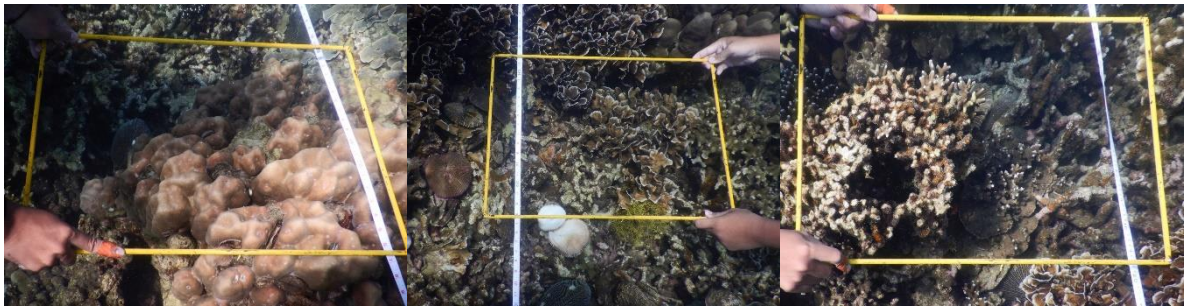
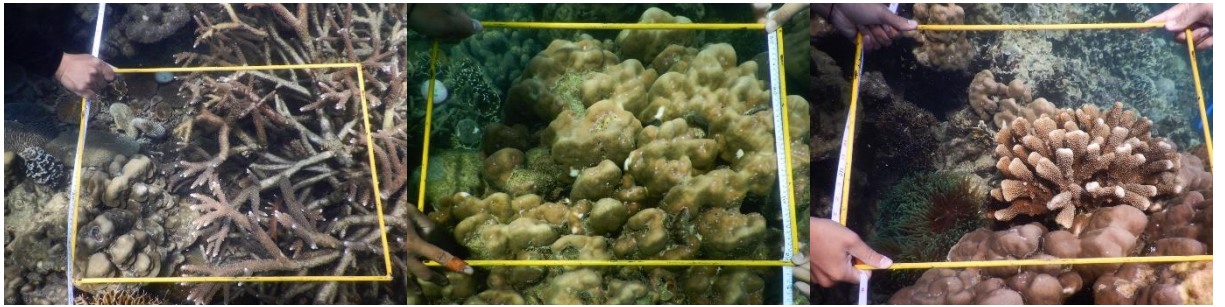
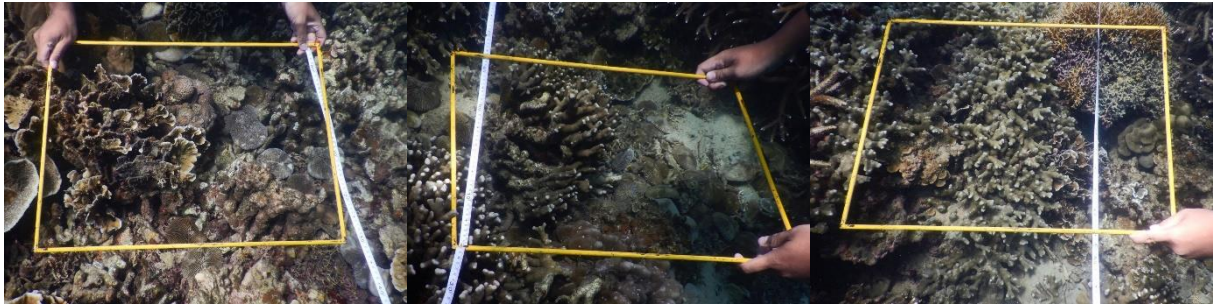
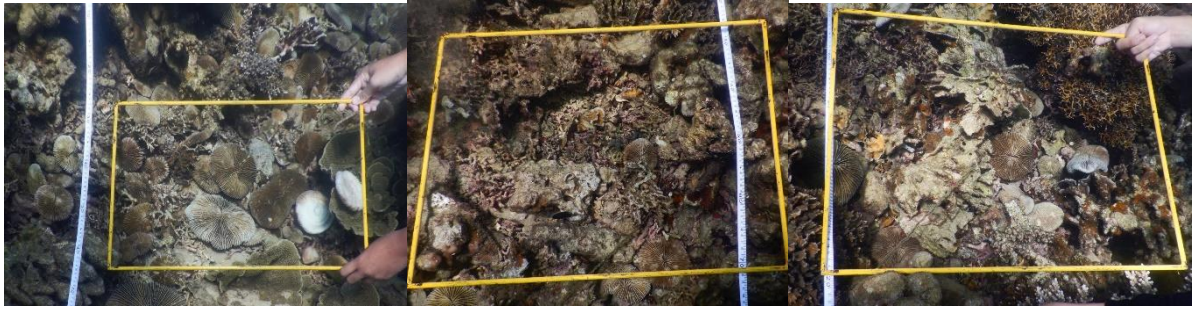
Lampiran IX. Transek Stasiun 2





Lampiran X. Transek Stasiun 3





Lampiran XI. Transek Stasiun 4

