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LAMPIRAN

Lampiran 1. Pengolahan Data Parameter Lingkungan di Pulau Laelae

| STASIUN | ULANGAN | PARAMETER LINGKUNGAN | | | | | KECEPATAN ARUS (m/det) |
|--------------------|---------|----------------------|--------------------|-------------|------------------|------------------|---------------------------|
| | | SUHU (°C) | SALINITAS (ppt) | pH | FOSFAT (mg/L) | NITRAT (mg/L) | |
| I | I.1 | 31 | 32 | 7,21 | 0,034 | 0,251 | 0,026 |
| | I.2 | 32 | 30 | 7,21 | 0,059 | 0,24 | 0,021 |
| | I.3 | 32 | 31 | 7,14 | 0,089 | 0,341 | 0,019 |
| RATA – RATA | | 32 | 31 | 7,19 | 0,061 | 0,277 | 0,022 |
| II | II.1 | 32 | 30 | 7,21 | 0,049 | 0,275 | 0,045 |
| | II.2 | 32 | 30 | 7,14 | 0,066 | 0,272 | 0,042 |
| | II.3 | 31 | 31 | 7,14 | 0,052 | 0,261 | 0,047 |
| RATA – RATA | | 32 | 30 | 7,16 | 0,056 | 0,269 | 0,045 |
| III | III.1 | 31 | 30 | 7,14 | 0,063 | 0,233 | 0,082 |
| | III.2 | 30 | 31 | 7,14 | 0,052 | 0,239 | 0,061 |
| | III.3 | 31 | 31 | 7,14 | 0,062 | 0,228 | 0,054 |
| RATA – RATA | | 31 | 31 | 7,14 | 0,059 | 0,233 | 0,066 |

Lampiran 2. Pengolahan Data Besar Butir Sedimen menggunakan Klasifikasi Wenworth

| STASIUN | ULANGAN | BERAT AWAL | BERAT AYAKAN | | | | | | | BERAT AKHIR |
|-------------------------------|---------|------------|---------------|------------|---------------|---------|----------|---------------|------------|-------------|
| | | | 2 mm | 1 mm | 0.5 mm | 0.25 mm | 0.125 mm | 0.063 mm | < 0.063 mm | |
| I | I.1 | 100,005 | 1,835 | 10,2 | 24,664 | 31,7 | 26,619 | 4,353 | 0,448 | 99,819 |
| | | | | Presentase | 12% | 56% | | 31% | | |
| | I.2 | 100,005 | 1,535 | 7,051 | 24,204 | 37,297 | 26,63 | 2,979 | 0,213 | 99,909 |
| | | | | Presentase | 9% | 61% | | 30% | | |
| | I.3 | 100,005 | 2,125 | 14,257 | 32,867 | 33,136 | 15,824 | 1,5 | 0,261 | 99,97 |
| | | | | Presentase | 16% | 66% | | 18% | | |
| RATA – RATA PRESENTASE | | | 12,333 | | 61 | | | 26,333 | | |
| II | II.1 | 100,005 | 8,252 | 39,52 | 29,394 | 16,394 | 4,851 | 0,86 | 0,116 | 99,387 |
| | | | | Presentase | 48% | 46% | | 6% | | |
| | II.2 | 100,007 | 7,82 | 38,42 | 29,527 | 18,476 | 5,434 | 0,198 | 0,096 | 99,971 |
| | | | | Presentase | 46% | 48% | | 6% | | |
| | II.3 | 100,006 | 7,167 | 41,026 | 20,034 | 24,145 | 7,149 | 0,213 | 0,078 | 99,812 |
| | | | | Presentase | 48% | 44% | | 7% | | |
| RATA – RATA PRESENTASE | | | 47,333 | | 46 | | | 6,333 | | |
| III | III.1 | 100,005 | 8,891 | 16,982 | 21,325 | 35,296 | 17,184 | 0,143 | 0,075 | 99,896 |
| | | | | Presentase | 26% | 57% | | 17% | | |
| | III.2 | 100,005 | 2,488 | 6,52 | 22,381 | 49,446 | 18,743 | 0,27 | 0,005 | 99,853 |
| | | | | Presentase | 9% | 72% | | 19% | | |
| | III.3 | 100,005 | 1,804 | 3,863 | 11,868 | 65,491 | 16,461 | 0,114 | 0,078 | 99,679 |
| | | | | Presentase | 6% | 77% | | 17% | | |
| RATA – RATA PRESENTASE | | | 13,667 | | 68,667 | | | 17,667 | | |

Lampiran 3. Pengolahan Data Besar Butir menggunakan Gradistat

1) Stasiun I

Stasiun I . 1

| SAMPLE STATISTICS | | |
|--|--|---|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir , | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | TEXTURAL GROUP: Slightly Gravelly Sand | |
| SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand | | |
| | GRAIN SIZE DISTRIBUTION | |
| MODE 1: 302,5 1,747 | GRAVEL: 1,8% | COARSE SAND: 24,7% |
| MODE 2: 152,5 2,737 | SAND: 97,7% | MEDIUM SAND: 31,8% |
| MODE 3: 605,0 0,747 | MUD: 0,4% | FINE SAND: 26,7% |
| D ₁₀ : 134,2 -0,098 | | V FINE SAND: 4,4% |
| MEDIAN or D ₅₀ : 306,7 1,705 | V COARSE GRAVEL: 0,0% | V COARSE SILT: 0,1% |
| D ₉₀ : 1070,1 2,898 | COARSE GRAVEL: 0,0% | COARSE SILT: 0,1% |
| (D ₉₀ / D ₁₀): 7,974 -29,656 | MEDIUM GRAVEL: 0,0% | MEDIUM SILT: 0,1% |
| (D ₉₀ - D ₁₀): 935,9 2,995 | FINE GRAVEL: 0,0% | FINE SILT: 0,1% |
| (D ₇₅ / D ₂₅): 3,587 3,427 | V FINE GRAVEL: 1,8% | V FINE SILT: 0,1% |
| (D ₇₅ - D ₂₅): 426,1 1,843 | V COARSE SAND: 10,2% | CLAY: 0,1% |
| | METHOD OF MOMENTS | FOLK & WARD METHOD |
| | Arithmetic Geometric Logarithmic | Geometric Logarithmic Description |
| MEAN (\bar{x}): 456,4 326,3 1,616 | μm μm ϕ | μm ϕ |
| SORTING (σ): 413,1 2,241 1,164 | | 2,079 1,056 |
| SKEWNESS (S_k): 2,360 -0,152 0,152 | | 0,125 -0,125 |
| KURTOSIS (K): 10,20 4,158 4,158 | | 0,741 0,741 |
| | | Setelah dibagi 1000 0,3107 |

Stasiun I . 2

| SAMPLE STATISTICS | | |
|--|--|---|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir, | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | TEXTURAL GROUP: Slightly Gravelly Sand | |
| SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand | | |
| | GRAIN SIZE DISTRIBUTION | |
| MODE 1: 302,5 1,747 | GRAVEL: 1,5% | COARSE SAND: 24,2% |
| MODE 2: 152,5 2,737 | SAND: 98,3% | MEDIUM SAND: 37,3% |
| MODE 3: 605,0 0,747 | MUD: 0,2% | FINE SAND: 26,7% |
| D ₁₀ : 137,2 0,523 | | V FINE SAND: 3,0% |
| MEDIAN or D ₅₀ : 302,1 1,727 | V COARSE GRAVEL: 0,0% | V COARSE SILT: 0,0% |
| D ₉₀ : 695,7 2,866 | COARSE GRAVEL: 0,0% | COARSE SILT: 0,0% |
| (D ₉₀ / D ₁₀): 5,071 5,474 | MEDIUM GRAVEL: 0,0% | MEDIUM SILT: 0,0% |
| (D ₉₀ - D ₁₀): 558,5 2,342 | FINE GRAVEL: 0,0% | FINE SILT: 0,0% |
| (D ₇₅ / D ₂₅): 3,324 3,071 | V FINE GRAVEL: 1,5% | V FINE SILT: 0,0% |
| (D ₇₅ - D ₂₅): 391,5 1,733 | V COARSE SAND: 7,1% | CLAY: 0,0% |
| | METHOD OF MOMENTS | FOLK & WARD METHOD |
| | Arithmetic Geometric Logarithmic | Geometric Logarithmic Description |
| MEAN (\bar{x}): 424,1 318,1 1,653 | μm μm ϕ | μm ϕ |
| SORTING (σ): 373,5 2,060 1,043 | | 2,016 1,011 |
| SKEWNESS (S_k): 2,793 0,089 -0,089 | | 0,128 -0,128 |
| KURTOSIS (K): 13,46 4,072 4,072 | | 0,760 0,760 |
| | | Setelah dibagi 1000 0,3062 |

Stasiun I . 3

| SAMPLE STATISTICS | | | | | | | |
|--|--|-----------|---|--------------------|-------------|---------------|---------------------|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir, | | | | | | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | TEXTURAL GROUP: Slightly Gravelly Sand | | | | | | |
| SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand | | | | | | | |
| | | | | | | | |
| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | | |
| MODE 1: | 302,5 | 1,747 | GRAVEL: 2,1% COARSE SAND: 32,9% | | | | |
| MODE 2: | 605,0 | 0,747 | SAND: 97,6% MEDIUM SAND: 33,1% | | | | |
| MODE 3: | 152,5 | 2,737 | MUD: 0,3% FINE SAND: 15,8% | | | | |
| D ₁₀ : | 151,1 | -0,217 | V FINE SAND: 1,5% | | | | |
| MEDIAN or D ₅₀ : | 352,2 | 1,505 | V COARSE GRAVEL: 0,0% V COARSE SILT: 0,0% | | | | |
| D ₉₀ : | 1162,6 | 2,726 | COARSE GRAVEL: 0,0% COARSE SILT: 0,0% | | | | |
| (D ₉₀ / D ₁₀): | 7,693 | -12,540 | MEDIUM GRAVEL: 0,0% MEDIUM SILT: 0,0% | | | | |
| (D ₉₀ - D ₁₀): | 1011,5 | 2,944 | FINE GRAVEL: 0,0% FINE SILT: 0,0% | | | | |
| (D ₇₅ / D ₂₅): | 2,395 | 3,011 | V FINE GRAVEL: 2,1% V FINE SILT: 0,0% | | | | |
| (D ₇₅ - D ₂₅): | 377,3 | 1,260 | V COARSE SAND: 14,3% CLAY: 0,0% | | | | |
| | | | | | | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description | |
| | μm | μm | ϕ | μm | ϕ | | |
| MEAN (\bar{x}): | 546,7 | 414,3 | 1,271 | 395,1 | 1,340 | Medium Sand | Setelah dibagi 1000 |
| SORTING (σ): | 428,2 | 2,098 | 1,069 | 2,192 | 1,132 | Poorly Sorted | 0,3951 |
| SKEWNESS (S_k): | 2,021 | -0,301 | 0,301 | 0,175 | -0,175 | Coarse Skewed | |
| KURTOSIS (K): | 8,407 | 4,379 | 4,379 | 1,067 | 1,067 | Mesokurtic | |

2) Stasiun II

Stasiun II . 1

| SAMPLE STATISTICS | | | | | | | |
|--|-------------------------------|-----------|---|--------------------|-------------|---------------|---------------------|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir, | | | | | | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | TEXTURAL GROUP: Gravelly Sand | | | | | | |
| SEDIMENT NAME: Very Fine Gravelly Very Coarse Sand | | | | | | | |
| | | | | | | | |
| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | | |
| MODE 1: | 1200,0 | -0,243 | GRAVEL: 8,3% COARSE SAND: 29,6% | | | | |
| MODE 2: | 605,0 | 0,747 | SAND: 91,6% MEDIUM SAND: 16,5% | | | | |
| MODE 3: | 302,5 | 1,747 | MUD: 0,1% FINE SAND: 4,9% | | | | |
| D ₁₀ : | 273,0 | -0,465 | V FINE SAND: 0,9% | | | | |
| MEDIAN or D ₅₀ : | 693,9 | 0,527 | V COARSE GRAVEL: 0,0% V COARSE SILT: 0,0% | | | | |
| D ₉₀ : | 1380,0 | 1,873 | COARSE GRAVEL: 0,0% COARSE SILT: 0,0% | | | | |
| (D ₉₀ / D ₁₀): | 5,055 | -4,031 | MEDIUM GRAVEL: 0,0% MEDIUM SILT: 0,0% | | | | |
| (D ₉₀ - D ₁₀): | 1107,1 | 2,338 | FINE GRAVEL: 0,0% FINE SILT: 0,0% | | | | |
| (D ₇₅ / D ₂₅): | 2,356 | -3,391 | V FINE GRAVEL: 8,3% V FINE SILT: 0,0% | | | | |
| (D ₇₅ - D ₂₅): | 699,6 | 1,236 | V COARSE SAND: 39,8% CLAY: 0,0% | | | | |
| | | | | | | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description | |
| | μm | μm | ϕ | μm | ϕ | | |
| MEAN (\bar{x}): | 913,4 | 715,3 | 0,483 | 656,0 | 0,608 | Coarse Sand | Setelah dibagi 1000 |
| SORTING (σ): | 584,0 | 2,089 | 1,063 | 2,129 | 1,090 | Poorly Sorted | 0,6560 |
| SKEWNESS (S_k): | 1,047 | -0,780 | 0,780 | -0,101 | 0,101 | Fine Skewed | |
| KURTOSIS (K): | 3,913 | 4,380 | 4,380 | 1,246 | 1,246 | Leptokurtic | |

Stasiun II . 2

| <u>SAMPLE STATISTICS</u> | | | | | |
|--|-------------------------------|-----------|-------------------------|--------------------|---------------------|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir, | | | | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | TEXTURAL GROUP: Gravelly Sand | | | | |
| SEDIMENT NAME: Very Fine Gravelly Very Coarse Sand | | | | | |
| | | | | | |
| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | |
| MODE 1: | 1200,0 | -0,243 | GRAVEL: | 7,8% | COARSE SAND: 29,5% |
| MODE 2: | 605,0 | 0,747 | SAND: | 92,1% | MEDIUM SAND: 18,5% |
| MODE 3: | 302,5 | 1,747 | MUD: | 0,1% | FINE SAND: 5,4% |
| D ₁₀ : | 271,1 | -0,458 | | | V FINE SAND: 0,2% |
| MEDIAN or D ₅₀ : | 679,1 | 0,558 | V COARSE GRAVEL: | 0,0% | V COARSE SILT: 0,0% |
| D ₉₀ : | 1373,6 | 1,883 | COARSE GRAVEL: | 0,0% | COARSE SILT: 0,0% |
| (D ₉₀ / D ₁₀): | 5,067 | -4,112 | MEDIUM GRAVEL: | 0,0% | MEDIUM SILT: 0,0% |
| (D ₉₀ - D ₁₀): | 1102,5 | 2,341 | FINE GRAVEL: | 0,0% | FINE SILT: 0,0% |
| (D ₇₅ / D ₂₅): | 2,387 | -3,675 | V FINE GRAVEL: | 7,8% | V FINE SILT: 0,0% |
| (D ₇₅ - D ₂₅): | 699,8 | 1,255 | V COARSE SAND: | 38,4% | CLAY: 0,0% |
| | | | | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic |
| | μm | μm | ϕ | μm | ϕ |
| MEAN (\bar{x}): | 892,0 | 699,3 | 0,516 | 645,4 | 0,632 |
| SORTING (σ): | 578,5 | 2,061 | 1,043 | 2,127 | 1,089 |
| SKEWNESS (S_k): | 1,090 | -0,597 | 0,597 | -0,086 | 0,086 |
| KURTOSIS (K): | 4,018 | 3,825 | 3,825 | 1,215 | 1,215 |
| | | | | | |
| Setelah dibagi 1000 | | | | | |
| 0,6454 | | | | | |

Stasiun II. 3

| <u>SAMPLE STATISTICS</u> | | | | | |
|--|-------------------------------|-----------|-------------------------|--------------------|---------------------|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir, | | | | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | TEXTURAL GROUP: Gravelly Sand | | | | |
| SEDIMENT NAME: Very Fine Gravelly Very Coarse Sand | | | | | |
| | | | | | |
| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | |
| MODE 1: | 1200,0 | -0,243 | GRAVEL: | 7,2% | COARSE SAND: 20,1% |
| MODE 2: | 302,5 | 1,747 | SAND: | 92,7% | MEDIUM SAND: 24,2% |
| MODE 3: | 605,0 | 0,747 | MUD: | 0,1% | FINE SAND: 7,2% |
| D ₁₀ : | 259,4 | -0,452 | | | V FINE SAND: 0,2% |
| MEDIAN or D ₅₀ : | 689,0 | 0,537 | V COARSE GRAVEL: | 0,0% | V COARSE SILT: 0,0% |
| D ₉₀ : | 1368,1 | 1,947 | COARSE GRAVEL: | 0,0% | COARSE SILT: 0,0% |
| (D ₉₀ / D ₁₀): | 5,274 | -4,306 | MEDIUM GRAVEL: | 0,0% | MEDIUM SILT: 0,0% |
| (D ₉₀ - D ₁₀): | 1108,7 | 2,399 | FINE GRAVEL: | 0,0% | FINE SILT: 0,0% |
| (D ₇₅ / D ₂₅): | 3,753 | -5,939 | V FINE GRAVEL: | 7,2% | V FINE SILT: 0,0% |
| (D ₇₅ - D ₂₅): | 887,6 | 1,908 | V COARSE SAND: | 41,1% | CLAY: 0,0% |
| | | | | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic |
| | μm | μm | ϕ | μm | ϕ |
| MEAN (\bar{x}): | 871,3 | 662,9 | 0,593 | 633,3 | 0,659 |
| SORTING (σ): | 586,2 | 2,163 | 1,113 | 2,183 | 1,127 |
| SKEWNESS (S_k): | 0,967 | -0,483 | 0,483 | -0,140 | 0,140 |
| KURTOSIS (K): | 3,757 | 2,920 | 2,920 | 0,817 | 0,817 |
| | | | | | |
| Setelah dibagi 1000 | | | | | |
| 0,6333 | | | | | |

3) Stasiun III

Stasiun III . 1

| SAMPLE STATISTICS | | | | | |
|--|--|--|--|--|--|
| SAMPLE IDENTITY: | | | ANALYST & DATE: | | |
| SAMPLE TYPE: Polymodal, Poorly Sorted | | | TEXTURAL GROUP: Gravelly Sand | | |
| SEDIMENT NAME: Very Fine Gravelly Medium Sand | | | | | |
| | | | GRAIN SIZE DISTRIBUTION | | |
| MODE 1: 302,5 1,747 MODE 2: 605,0 0,747 MODE 3: 1200,0 -0,243 D ₁₀ : 153,8 -0,454 MEDIAN or D ₅₀ : 345,4 1,534 D ₉₀ : 1369,9 2,701 (D ₉₀ / D ₁₀): 8,907 -5,949 (D ₅₀ - D ₁₀): 1216,1 3,155 (D ₇₅ / D ₂₅): 3,777 -73,605 (D ₇₅ - D ₂₅): 748,4 1,917 | | | GRAVEL: 8,9% COARSE SAND: 21,3% SAND: 91,0% MEDIUM SAND: 35,3% MUD: 0,1% FINE SAND: 17,2% V FINE SAND: 0,1% V COARSE GRAVEL: 0,0% V COARSE SILT: 0,0% COARSE GRAVEL: 0,0% COARSE SILT: 0,0% MEDIUM GRAVEL: 0,0% MEDIUM SILT: 0,0% FINE GRAVEL: 0,0% FINE SILT: 0,0% V FINE GRAVEL: 8,9% V FINE SILT: 0,0% V COARSE SAND: 17,0% CLAY: 0,0% | | |
| | | | METHOD OF MOMENTS | | |
| Arithmetic μm Geometric μm Logarithmic ϕ | | | FOLK & WARD METHOD | | |
| MEAN (\bar{x}): 680,0 464,5 1,106 SORTING (σ): 639,9 2,315 1,211 SKEWNESS (S_k): 1,648 0,317 -0,317 KURTOSIS (K): 4,843 2,568 2,568 | | | Geometric μm Logarithmic ϕ Description | | |
| | | | 418,7 1,256 Medium Sand 2,490 1,316 Poorly Sorted 0,324 -0,324 Very Coarse Skewed 0,869 0,869 Platykurtic | | |
| Setelah dibagi 1000 0,4187 | | | | | |

Stasiun III . 2

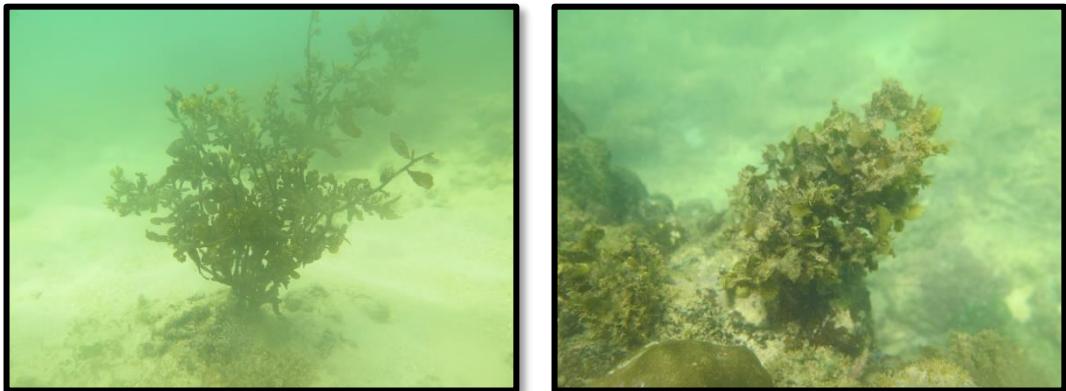
| SAMPLE STATISTICS | | | | | |
|--|--|--|---|--|--|
| SAMPLE IDENTITY: | | | ANALYST & DATE: | | |
| SAMPLE TYPE: Trimodal, Moderately Sorted | | | TEXTURAL GROUP: Slightly Gravelly Sand | | |
| SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand | | | | | |
| | | | GRAIN SIZE DISTRIBUTION | | |
| MODE 1: 302,5 1,747 MODE 2: 605,0 0,747 MODE 3: 152,5 2,737 D ₁₀ : 151,0 0,516 MEDIAN or D ₅₀ : 311,3 1,684 D ₉₀ : 699,2 2,727 (D ₉₀ / D ₁₀): 4,631 5,284 (D ₅₀ - D ₁₀): 548,2 2,211 (D ₇₅ / D ₂₅): 2,121 2,269 (D ₇₅ - D ₂₅): 292,2 1,084 | | | GRAVEL: 2,5% COARSE SAND: 22,4% SAND: 97,5% MEDIUM SAND: 49,5% MUD: 0,0% FINE SAND: 18,8% V FINE SAND: 0,3% V COARSE GRAVEL: 0,0% V COARSE SILT: 0,0% COARSE GRAVEL: 0,0% COARSE SILT: 0,0% MEDIUM GRAVEL: 0,0% MEDIUM SILT: 0,0% FINE GRAVEL: 0,0% FINE SILT: 0,0% V FINE GRAVEL: 2,5% V FINE SILT: 0,0% V COARSE SAND: 6,5% CLAY: 0,0% | | |
| | | | METHOD OF MOMENTS | | |
| Arithmetic μm Geometric μm Logarithmic ϕ | | | FOLK & WARD METHOD | | |
| MEAN (\bar{x}): 452,4 351,1 1,510 SORTING (σ): 405,7 1,891 0,919 SKEWNESS (S_k): 3,073 0,746 -0,746 KURTOSIS (K): 14,05 3,725 3,725 | | | Geometric μm Logarithmic ϕ Description | | |
| | | | 322,7 1,632 Medium Sand 1,941 0,957 Moderately Sorted 0,167 -0,167 Coarse Skewed 1,197 1,197 Leptokurtic | | |
| Setelah dibagi 1000 0,3227 | | | | | |

Stasiun III . 3

| <u>SAMPLE STATISTICS</u> | | | | | | | |
|--|--|-------------|-------------------------|-------------|-----------------------------|--|--|
| SAMPLE IDENTITY: Sedimen | ANALYST & DATE: Besar Butir, | | | | | | |
| SAMPLE TYPE: Trimodal, Moderately Sorted | TEXTURAL GROUP: Slightly Gravelly Sand | | | | | | |
| SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand | | | | | | | |
| | | | | | | | |
| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | | |
| MODE 1: | 302,5 | 1,747 | GRAVEL: | 1,8% | COARSE SAND: 11,9% | | |
| MODE 2: | 152,5 | 2,737 | SAND: | 98,1% | MEDIUM SAND: 65,7% | | |
| MODE 3: | 605,0 | 0,747 | MUD: | 0,1% | FINE SAND: 16,5% | | |
| D ₁₀ : | 155,2 | 0,677 | | | V FINE SAND: 0,1% | | |
| MEDIAN or D ₅₀ : | 298,6 | 1,744 | V COARSE GRAVEL: | 0,0% | V COARSE SILT: 0,0% | | |
| D ₉₀ : | 625,3 | 2,688 | COARSE GRAVEL: | 0,0% | COARSE SILT: 0,0% | | |
| (D ₉₀ / D ₁₀): | 4,028 | 3,967 | MEDIUM GRAVEL: | 0,0% | MEDIUM SILT: 0,0% | | |
| (D ₉₀ - D ₁₀): | 470,0 | 2,010 | FINE GRAVEL: | 0,0% | FINE SILT: 0,0% | | |
| (D ₇₅ / D ₂₅): | 1,306 | 1,248 | V FINE GRAVEL: | 1,8% | V FINE SILT: 0,0% | | |
| (D ₇₅ - D ₂₅): | 79,92 | 0,385 | V COARSE SAND: | 3,9% | CLAY: 0,0% | | |
| | | | | | | | |
| METHOD OF MOMENTS | | | FOLK & WARD METHOD | | | | |
| Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description | | |
| μm | μm | ϕ | μm | ϕ | | | |
| MEAN (\bar{x}): | 386,0 | 315,0 | 1,667 | 302,7 | 1,724 Medium Sand | | |
| SORTING (σ): | 344,4 | 1,723 | 0,785 | 1,784 | 0,835 Moderately Sorted | | |
| SKEWNESS (S_k): | 4,100 | 0,987 | -0,987 | 0,143 | -0,143 Coarse Skewed | | |
| KURTOSIS (K): | 22,44 | 7,294 | 7,294 | 3,122 | 3,122 Extremely Leptokurtic | | |

Setelah dibagi 1000
0,3027

Lampiran 4. Dokumentasi di Lapangan



Sampel *Sargassum* di perairan Pulau Laelae



Mengambil sampel *Sargassum*

Tim lapangan

Lampiran 5. Dokumentasi di Laboratorium



Mengamati sampel *Sargassum* sp.



Mengerinkan sampel sedimen



Mengoven sampel sedimen



Mengayak sampel sedimen



Menimbang sampel sedimen



Melakukan pengukuran menggunakan spektofotometer



Preparasi pengukuran nitrat dan fosfat