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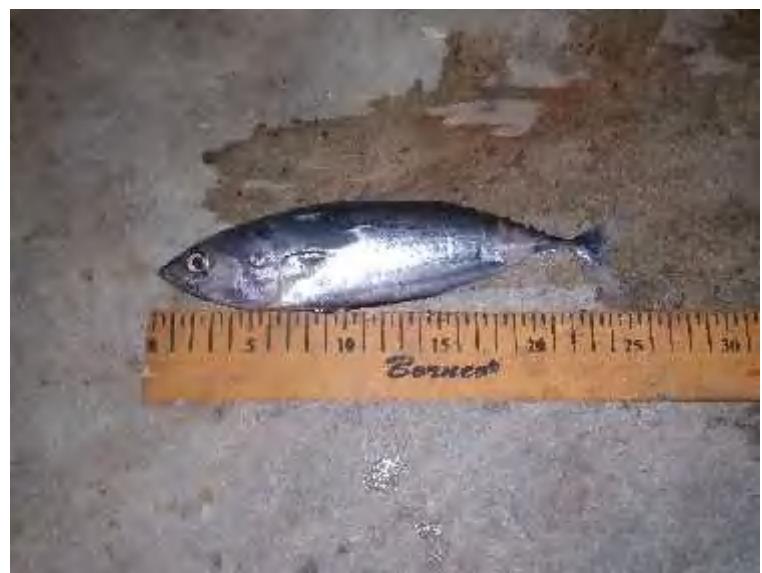
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Optimization Software:
www.balesio.com

Lampiran 1. Fota Kegiatan di Lokasi Penelitian





Optimization Software:
www.balesio.com



Lampiran 2. Data Sampel TKG Ikan Cakalang Jantan Secara Morfologi

| NO | UKURAN (CM) | BERAT (KG) | TKG JANTAN |
|----|-------------|------------|------------|
| 1 | 29 | 1 | TKG 1 |
| 2 | 56 | 3.7 | TKG 4 |
| 3 | 29 | 1.1 | TKG 1 |
| 4 | 54.5 | 3.5 | TKG 4 |
| 5 | 60 | 5.2 | TKG 5 |
| 6 | 29.5 | 1.2 | TKG 1 |
| 7 | 43 | 2.3 | TKG 3 |
| 8 | 42.5 | 2.1 | TKG 2 |
| 9 | 64 | 6.2 | TKG 5 |
| 10 | 61 | 5.8 | TKG 5 |
| 11 | 58 | 4.2 | TKG 4 |
| 12 | 59 | 5 | TKG 4 |
| 13 | 34 | 2.7 | TKG 1 |
| 14 | 27 | 0.9 | TKG 1 |
| 15 | 36.5 | 1.8 | TKG 1 |
| 16 | 61 | 5.8 | TKG 5 |
| 17 | 49.5 | 2.8 | TKG 4 |
| 18 | 48 | 2.6 | TKG 4 |
| 19 | 47.5 | 2.5 | TKG 4 |
| 20 | 44 | 2.1 | TKG 3 |
| 21 | 46 | 2.7 | TKG 4 |
| 22 | 58 | 4.9 | TKG 4 |
| 23 | 60 | 5.2 | TKG 5 |
| 24 | 45 | 2.5 | TKG 4 |
| 25 | 41 | 2 | TKG 2 |
| 26 | 61 | 5.8 | TKG 5 |
| 27 | 60 | 5.8 | TKG 5 |
| 28 | 63 | 5.8 | TKG 5 |
| 29 | 28 | 0.9 | TKG 1 |
| 30 | 29.5 | 1 | TKG 1 |
| 31 | 63 | 6.1 | TKG 5 |
| 32 | 32.5 | 1.6 | TKG 1 |
| 33 | 25 | 0.6 | TKG 1 |
| 34 | 33 | 1.8 | TKG 1 |
| 35 | 45 | 2.5 | TKG 4 |
| 36 | 63 | 6 | TKG 5 |
| 37 | 32.5 | 1.2 | TKG 1 |
| 38 | 26 | 0.8 | TKG 1 |
| | 31 | 1.5 | TKG 1 |
| | 30 | 1.3 | TKG 1 |
| | 62.5 | 5.7 | TKG 5 |
| | 32 | 1.6 | TKG 1 |
| | 34 | 1.8 | TKG 1 |



| NO | UKURAN (CM) | BERAT (KG) | TKG JANTAN |
|----|-------------|------------|------------|
| 44 | 44.5 | 2.4 | TKG 2 |
| 45 | 31 | 1.4 | TKG 1 |
| 46 | 63 | 4.5 | TKG 5 |
| 47 | 30 | 1 | TKG 1 |
| 48 | 28 | 0.9 | TKG 1 |
| 49 | 46 | 2.7 | TKG 3 |
| 50 | 25 | 0.8 | TKG 1 |
| 51 | 61 | 4.5 | TKG 5 |
| 52 | 45 | 2.5 | TKG 2 |
| 53 | 38.5 | 1.3 | TKG 1 |
| 54 | 47 | 2.8 | TKG 3 |
| 55 | 28 | 0.9 | TKG 1 |
| 56 | 61 | 4.2 | TKG 5 |
| 57 | 52 | 4.9 | TKG 4 |
| 58 | 48 | 2.7 | TKG 3 |
| 59 | 62.5 | 4.9 | TKG 5 |
| 60 | 64 | 5.2 | TKG 5 |
| 61 | 60 | 5 | TKG 5 |
| 62 | 53 | 3.2 | TKG 4 |
| 63 | 56 | 3.7 | TKG 4 |
| 64 | 45 | 2.6 | TKG 2 |
| 65 | 46 | 2.7 | TKG 3 |
| 66 | 46 | 2.7 | TKG 3 |
| 67 | 38 | 2.9 | TKG 1 |
| 68 | 63 | 5.3 | TKG 5 |
| 69 | 60 | 5 | TKG 5 |
| 70 | 49 | 2.9 | TKG 3 |
| 71 | 62.5 | 5.2 | TKG 5 |
| 72 | 51 | 3 | TKG 4 |
| 73 | 64 | 5.6 | TKG 5 |
| 74 | 51 | 3.2 | TKG 4 |
| 75 | 60 | 5.2 | TKG 5 |
| 76 | 52 | 3.3 | TKG 4 |



Lampiran 3. Data Sampel TKG Ikan Cakalang Betina Secara Morfologi

| NO | UKURAN (CM) | BERAT (KG) | TKG BETINA |
|----|-------------|------------|------------|
| 1 | 31 | 1.2 | TKG 1 |
| 2 | 52 | 3.3 | TKG 4 |
| 3 | 35.5 | 1.7 | TKG 2 |
| 4 | 53 | 3.6 | TKG 4 |
| 5 | 20 | 0.3 | TKG 1 |
| 6 | 50 | 3 | TKG 4 |
| 7 | 35 | 1.7 | TKG 2 |
| 8 | 37 | 1.9 | TKG 1 |
| 9 | 40 | 2.1 | TKG 2 |
| 10 | 56.5 | 3.7 | TKG 5 |
| 11 | 55 | 3.5 | TKG 5 |
| 12 | 26 | 0.7 | TKG 1 |
| 13 | 38 | 1.9 | TKG 1 |
| 14 | 60 | 5.5 | TKG 5 |
| 15 | 43 | 2.3 | TKG 3 |
| 16 | 23 | 0.6 | TKG 1 |
| 17 | 56 | 3.6 | TKG 5 |
| 18 | 30 | 1 | TKG 1 |
| 19 | 53 | 3.2 | TKG 4 |
| 20 | 55 | 3.5 | TKG 5 |
| 21 | 24 | 0.6 | TKG 1 |
| 22 | 26 | 0.8 | TKG 1 |
| 23 | 39.5 | 1.9 | TKG 2 |
| 24 | 59.5 | 4.2 | TKG 5 |
| 25 | 43 | 2.4 | TKG 3 |
| 26 | 21 | 0.5 | TKG 1 |
| 27 | 27 | 0.9 | TKG 1 |
| 28 | 40 | 2.1 | TKG 2 |
| 29 | 39 | 1.8 | TKG 1 |
| 30 | 37 | 1.6 | TKG 1 |
| 31 | 41.5 | 2.3 | TKG 2 |
| 32 | 36 | 1.7 | TKG 1 |
| 33 | 35 | 1.6 | TKG 1 |
| | 51 | 3.2 | TKG 4 |
| | 27 | 0.9 | TKG 1 |
| | 41 | 2.3 | TKG 2 |
| | 27 | 0.9 | TKG 1 |
| | 23 | 0.4 | TKG 1 |



| NO | UKURAN (CM) | BERAT (KG) | TKG BETINA |
|----|-------------|------------|------------|
| 39 | 29 | 1 | TKG 1 |
| 40 | 50 | 3.1 | TKG 4 |
| 41 | 50 | 3.3 | TKG 4 |
| 42 | 55 | 3.7 | TKG 4 |
| 43 | 20 | 0.5 | TKG 1 |
| 44 | 58 | 3.9 | TKG 5 |



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Lampiran 4. Data Sampel TKG Ikan Cakalang Jantan Secara Histologi

| NO | PANJANG (CM) | BERAT (KG) | TKG JANTAN |
|----|--------------|------------|------------|
| 1 | 31 | 1.3 | TKG 1 |
| 2 | 31.5 | 1.1 | TKG 1 |
| 3 | 31 | 1.2 | TKG 1 |
| 4 | 45 | 2.6 | TKG 3 |
| 5 | 45 | 2.7 | TKG 3 |
| 6 | 45 | 2.6 | TKG 3 |
| 7 | 45 | 2.6 | TKG 3 |
| 8 | 46 | 2.8 | TKG 3 |
| 9 | 51 | 3.2 | TKG 4 |
| 10 | 51 | 3.3 | TKG 4 |
| 11 | 51 | 3.3 | TKG 4 |
| 12 | 51 | 3.2 | TKG 4 |
| 13 | 51 | 3.2 | TKG 4 |
| 14 | 52 | 3.2 | TKG 4 |
| 15 | 52 | 3.3 | TKG 4 |
| 16 | 52 | 3.3 | TKG 4 |
| 17 | 55 | 3.5 | TKG 4 |
| 18 | 55 | 3.5 | TKG 4 |
| 19 | 55 | 3.6 | TKG 4 |
| 20 | 60 | 5.2 | TKG 5 |
| 21 | 60 | 5.2 | TKG 5 |
| 22 | 62 | 5.5 | TKG 5 |
| 23 | 62 | 5.6 | TKG 5 |
| 24 | 64 | 5.8 | TKG 5 |
| 25 | 41 | 2 | TKG 2 |
| 26 | 43.5 | 2.1 | TKG 3 |
| 27 | 43 | 2.2 | TKG 3 |
| 28 | 43.5 | 2.2 | TKG 3 |
| 29 | 45 | 2.5 | TKG 3 |
| 30 | 45 | 2.6 | TKG 3 |
| 31 | 45 | 2.5 | TKG 3 |
| 32 | 54 | 3.3 | TKG 4 |
| 33 | 54 | 3.3 | TKG 4 |
| 34 | 55 | 3.7 | TKG 4 |
| 35 | 55 | 3.7 | TKG 4 |
| 36 | 54 | 3.5 | TKG 4 |
| 37 | 54 | 3.3 | TKG 4 |
| 38 | 54 | 3.3 | TKG 4 |
| | 55 | 3.5 | TKG 4 |
| | 55.5 | 3.8 | TKG 4 |
| | 55 | 3.8 | TKG 4 |
| | 55 | 3.7 | TKG 4 |
| | 60 | 5.8 | TKG 5 |



| NO | PANJANG (CM) | BERAT (KG) | TKG JANTAN |
|----|--------------|------------|------------|
| 44 | 64 | 6 | TKG 5 |

Lampiran 5. Data Sampel TKG Ikan Cakalang Betina Secara Histologi

| NO | PANJANG (CM) | BERAT (KG) | TKG |
|----|--------------|------------|-------|
| 1 | 25 | 0.8 | TKG 1 |
| 2 | 25 | 0.8 | TKG 1 |
| 3 | 25 | 0.8 | TKG 1 |
| 4 | 27 | 1.2 | TKG 1 |
| 5 | 27 | 1.1 | TKG 1 |
| 6 | 27 | 1.2 | TKG 1 |
| 7 | 30 | 1.1 | TKG 1 |
| 8 | 30 | 1.2 | TKG 1 |
| 9 | 30 | 1.1 | TKG 1 |
| 10 | 30 | 1.1 | TKG 1 |
| 11 | 30 | 1.2 | TKG 1 |
| 12 | 41 | 2.3 | TKG 2 |
| 13 | 41 | 2.2 | TKG 2 |
| 14 | 55 | 3.5 | TKG 4 |
| 15 | 55 | 3.7 | TKG 4 |
| 16 | 58 | 3.9 | TKG 5 |
| 17 | 58 | 4.3 | TKG 5 |
| 18 | 58.5 | 4.3 | TKG 5 |
| 19 | 58.5 | 4.4 | TKG 5 |
| 20 | 59 | 4.1 | TKG 5 |
| 21 | 59 | 4 | TKG 5 |
| 22 | 59 | 4.1 | TKG 5 |
| 23 | 59.1 | 4.3 | TKG 5 |
| 24 | 59.1 | 4.5 | TKG 5 |
| 25 | 59.5 | 4.3 | TKG 5 |
| 26 | 59.5 | 4.5 | TKG 5 |
| 27 | 28 | 0.8 | TKG 1 |
| 28 | 28 | 0.8 | TKG 1 |
| 29 | 28.5 | 0.7 | TKG 1 |
| 30 | 29 | 0.8 | TKG 1 |
| 31 | 29 | 0.7 | TKG 1 |
| 32 | 30 | 1.1 | TKG 1 |
| 33 | 30 | 1 | TKG 1 |
| 34 | 35 | 1.5 | TKG 1 |
| | 35 | 1.3 | TKG 1 |
| | 36.5 | 1.5 | TKG 1 |
| | 36 | 1.6 | TKG 1 |
| | 39 | 1.8 | TKG 2 |
| | 39 | 1.9 | TKG 2 |
| | 39 | 1.8 | TKG 2 |



| NO | PANJANG (CM) | BERAT (KG) | TKG |
|----|--------------|------------|-------|
| 41 | 53 | 3.3 | TKG 4 |
| 42 | 53 | 3.2 | TKG 4 |
| 43 | 56 | 3.6 | TKG 5 |
| 44 | 56 | 3.4 | TKG 5 |
| 45 | 56 | 3.3 | TKG 5 |
| 46 | 56 | 3.5 | TKG 5 |
| 47 | 56 | 3.6 | TKG 5 |
| 48 | 56 | 3.55 | TKG 5 |
| 49 | 56 | 3.3 | TKG 5 |
| 50 | 56 | 3.5 | TKG 5 |
| 51 | 56 | 3.3 | TKG 5 |
| 52 | 56 | 3.3 | TKG 5 |
| 53 | 56 | 3.5 | TKG 5 |
| 54 | 56 | 3.4 | TKG 5 |
| 55 | 56.5 | 3.3 | TKG 5 |
| 56 | 56.5 | 3.4 | TKG 5 |



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