

LAMPIRAN

Lampiran 1 Lembar Persetujuan Etik



FAKULTAS KEDOKTERAN UNIVERSITAS ISLAM BANDUNG KOMITE ETIK PENELITIAN KESEHATAN

Jl Tamansari No. 22 PO BOX 1357 Telp (022) 4203368 (hunting) Pes. 6905 Fax. 4231213 Bandung 40116



PERSETUJUAN ETIK ETHICAL APPROVAL

Nomor: 058/Komite Etik.FK/IV/2019

Bismillahirrahmanirrahim

Komite Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Islam Bandung, dalam upaya melindungi hak asasi dan kesejahteraan subjek penelitian kesehatan serta menjamin bahwa penelitian yang menggunakan formulir survei/registrasi/surveilans/epidemiologi/humaniora/sosial budaya/ bahan biologi tersimpan/sel punca dan nonklinis lainnya berjalan dengan memperhatikan implikasi etik, hukum, sosial, dan nonklinis lainnya yang berlaku telah mengkaji dengan teliti proposal penelitian berjudul:

The Health Research Ethics Committee, Faculty of Medicine, Universitas Islam Bandung in order to protect the rights and welfare of the health research subject, and to guaranty that the research using survey questionnaire surveillance/epidemiology/humanities social-cultural archived biological materials/ stem cell/other non-clinical materials, will carried out according to ethical, legal, social implications and other applicable regulations, has been troughly reviewed the proposal entitled:

Pengaruh Jus Tomat (*Solanum lycopersicum L.*) terhadap Kualitas Sperma Mencit yang Diberi

Paparan Asap Rokok Tersier

| | |
|--------------------------------------|---|
| Nama mahasiswa <i>Student</i> | : Alfiani Triamullah |
| NPM <i>Student Batch Number</i> | : 10100116056 |
| Pembimbing 1 <i>Supervisor 1</i> | : Yuke Andriane, dr., M.Kes |
| Pembimbing 2 <i>Supervisor 2</i> | : Annisa Rahmah Furqaani, S.Si., M. Biomed. |
| Nama institusi <i>Institution</i> | : Fakultas Kedokteran Universitas Islam Bandung |

penelitian tersebut dapat disetujui pelaksanaannya.
hereby declare that the proposal is approved.

Demikian, surat keterangan ini dibuat dengan sebenar-benarnya dan untuk digunakan sebagaimana mestinya.

Ditetapkan di: Bandung
Issued in
Pada tanggal: 30 April 2019
Date

Ketua,
Chairman

Prof. Herry Garna, dr., Sp.A(K), Ph.D.

Keterangan/notes:

Persetujuan etik ini berlaku selama satu tahun sejak tanggal ditetapkan.

This ethical clearance is effective for one year from the due date.

Pada akhir penelitian, laporan pelaksanaan penelitian harus diserahkan ke Komisi Etik Penelitian Kesehatan

In the end of the research, progress and final summary report should be submitted to the Health Research Ethics Committee.

Jika ada perubahan atau penyimpangan protokol dan/atau perpanjangan penelitian harus mengajukan kembali permohonan kajian etik penelitian

If there be any protocol modification or deviation and/or extension of the study, the principal investigator is required to resubmit the protocol for approval.

Jika ada kejadian serius yang tidak diinginkan (KTD) harus segera dilaporkan ke Komisi Etik Penelitian Kesehatan.

If there are serious adverse events (SAE) should be immediately reported to the Health Research Ethics Committee.

Lampiran 2 Lembar Peminjaman Lab dan Alat



UNIVERSITAS ISLAM BANDUNG FAKULTAS KEDOKTERAN

Jl. Taman Sari No. 22 Telp. (022) 4203368 (Hunting) Pes. 6905 Fax. (022) 4231213
Bandung 40116



Nomor : 163/Dek/FK-k/P-Skr/III/2019

13 Mei 2019

Perihal : Permohonan Peminjaman Laboratorium dan Alat

Kepada Yth.
Kepala Lab Histologi Fakultas Kedokteran UNPAD

Bismillaahirrahmanirrahim
Assalamu'alaikum Wr. Wb.

Semoga Allah Subhanahu Wata'ala senantiasa melimpahkan rahmat, taufik serta hidayah Nya kepada kita semua, baik dalam melaksanakan tugas maupun di dalam melaksanakan ibadah sehari-hari. Amiin.

Sehubungan dengan penyusunan tugas akhir/skripsi para Mahasiswa Fakultas Kedokteran Universitas Islam Bandung Tahun Akademik 2019/2020 yang merupakan salah satu syarat untuk menyelesaikan Pendidikan Sarjana Kedokteran (S.Ked), dengan ini kami hadapkan Mahasiswa yang namanya tersebut di bawah ini :

Nama Mahasiswa : Alfiani Triamullah
NPM : 10100116056
Program Studi : Pendidikan Dokter
Judul Penelitian : Pengaruh Jus Tomat (*Solanum Lycopersicum L*) terhadap Kualitas Sperma Mencit yang Diberi Paparan Asap Rokok Tersier

Yang bersangkutan bermaksud melakukan peminjaman laboratorium dan alat di Lab Histologi Fakultas Kedokteran UNPAD yang Bapak/Ibu Pimpin. Berkenaan dengan hal tersebut kami mohon Bapak/Ibu dapat mengizinkan dan dapat membantu yang bersangkutan baik berupa data maupun informasi yang dibutuhkan berhubungan dengan penelitian tersebut.

Demikian surat permohonan ini kami sampaikan, atas perhatian dan kerjasamanya kami ucapkan terima kasih. "*Jazakumullah khairan katsiran*".

Wassalamu'alaikum Wr. Wb.
Dekan,



Prof. Dr. Ieva B. Akbar, dr., AIF.

Lampiran 3 Hasil Analisis Statistik

| Descriptives | | | | | |
|----------------------------------|--|----------------------------------|--|------------|---------|
| | Kelompok | | Statistic | Std. Error | |
| Jumlah | 1 | Mean | 21.7600 | 1.81455 | |
| | | 95% Confidence Interval for Mean | Lower Bound 16.7220 Upper Bound 26.7980 | | |
| | | 5% Trimmed Mean | 21.8833 | | |
| | | Median | 22.6000 | | |
| | | Variance | 16.463 | | |
| | | Std. Deviation | 4.05746 | | |
| | | Minimum | 15.10 | | |
| | | Maximum | 26.20 | | |
| | | Range | 11.10 | | |
| | | Interquartile Range | 5.80 | | |
| | | Skewness | -1.287 | .913 | |
| | | Kurtosis | 2.872 | 2.000 | |
| | | 2 | Mean | 17.2200 | 2.94676 |
| | | 95% Confidence Interval for Mean | Lower Bound 9.0385 Upper Bound 25.4015 | | |
| | | 5% Trimmed Mean | 17.1278 | | |
| | Median | 13.7000 | | | |
| | Variance | 43.417 | | | |
| | Std. Deviation | 6.58916 | | | |
| | Minimum | 10.80 | | | |
| | Maximum | 25.30 | | | |
| Range | 14.50 | | | | |
| Interquartile Range | 12.40 | | | | |
| Skewness | .537 | .913 | | | |
| Kurtosis | -2.829 | 2.000 | | | |
| 3 | Mean | 17.5200 | 1.53212 | | |
| 95% Confidence Interval for Mean | Lower Bound 13.2661 Upper Bound 21.7739 | | | | |
| 5% Trimmed Mean | 17.5667 | | | | |
| Median | 19.0000 | | | | |

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|---|----------------------------------|-------------|---------|---------|
| | Variance | | 11.737 | |
| | Std. Deviation | | 3.42593 | |
| | Minimum | | 13.40 | |
| | Maximum | | 20.80 | |
| | Range | | 7.40 | |
| | Interquartile Range | | 6.60 | |
| | Skewness | | -.493 | .913 |
| | Kurtosis | | -2.914 | 2.000 |
| 4 | Mean | | 19.3000 | 1.75869 |
| | 95% Confidence Interval for Mean | Lower Bound | 14.4171 | |
| | | Upper Bound | 24.1829 | |
| | 5% Trimmed Mean | | 19.2722 | |
| | Median | | 18.1000 | |
| | Variance | | 15.465 | |
| | Std. Deviation | | 3.93256 | |
| | Minimum | | 14.60 | |
| | Maximum | | 24.50 | |
| | Range | | 9.90 | |
| | Interquartile Range | | 7.30 | |
| | Skewness | | .320 | .913 |
| | Kurtosis | | -1.256 | 2.000 |
| 5 | Mean | | 21.5000 | 2.02781 |
| | 95% Confidence Interval for Mean | Lower Bound | 15.8699 | |
| | | Upper Bound | 27.1301 | |
| | 5% Trimmed Mean | | 21.5222 | |
| | Median | | 22.2000 | |
| | Variance | | 20.560 | |
| | Std. Deviation | | 4.53431 | |
| | Minimum | | 15.80 | |
| | Maximum | | 26.80 | |
| | Range | | 11.00 | |
| | Interquartile Range | | 8.75 | |
| | Skewness | | -.203 | .913 |
| | Kurtosis | | -1.876 | 2.000 |

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|-----------------------|---|----------------------------------|-------------|---------|-------|
| Motilitas Sangat Baik | 1 | Mean | | 36.00 | 5.788 |
| | | 95% Confidence Interval for Mean | Lower Bound | 19.93 | |
| | | | Upper Bound | 52.07 | |
| | | 5% Trimmed Mean | | 35.83 | |
| | | Median | | 35.00 | |
| | | Variance | | 167.500 | |
| | | Std. Deviation | | 12.942 | |
| | | Minimum | | 20 | |
| | | Maximum | | 55 | |
| | | Range | | 35 | |
| | | Interquartile Range | | 23 | |
| | | Skewness | | .502 | .913 |
| | | Kurtosis | | .795 | 2.000 |
| | | | | | |
| | 2 | Mean | | 34.00 | 6.205 |
| | | 95% Confidence Interval for Mean | Lower Bound | 16.77 | |
| | | | Upper Bound | 51.23 | |
| | | 5% Trimmed Mean | | 33.61 | |
| | | Median | | 30.00 | |
| | | Variance | | 192.500 | |
| | | Std. Deviation | | 13.874 | |
| | | Minimum | | 20 | |
| | | Maximum | | 55 | |
| | | Range | | 35 | |
| | | Interquartile Range | | 25 | |
| | | Skewness | | .927 | .913 |
| | | Kurtosis | | .130 | 2.000 |
| | | | | | |
| | 3 | Mean | | 29.00 | 7.649 |
| | | 95% Confidence Interval for Mean | Lower Bound | 7.76 | |
| | | | Upper Bound | 50.24 | |
| | | 5% Trimmed Mean | | 28.61 | |
| | | Median | | 20.00 | |
| | | Variance | | 292.500 | |
| | | Std. Deviation | | 17.103 | |
| | | Minimum | | 15 | |
| | | Maximum | | 50 | |
| | | Range | | 35 | |

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|----------------------|---|----------------------------------|----------------------------|----------------|
| | | Interquartile Range | 33 | |
| | | Skewness | .595 | .913 |
| | | Kurtosis | -2.983 | 2.000 |
| 4 | | Mean | 37.00 | 3.742 |
| | | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 26.61 47.39 |
| | | 5% Trimmed Mean | 36.67 | |
| | | Median | 35.00 | |
| | | Variance | 70.000 | |
| | | Std. Deviation | 8.367 | |
| | | Minimum | 30 | |
| | | Maximum | 50 | |
| | | Range | 20 | |
| | | Interquartile Range | 15 | |
| | | Skewness | 1.089 | .913 |
| | | Kurtosis | .536 | 2.000 |
| 5 | | Mean | 36.00 | 4.848 |
| | | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 22.54 49.46 |
| | | 5% Trimmed Mean | 35.83 | |
| | | Median | 30.00 | |
| | | Variance | 117.500 | |
| | | Std. Deviation | 10.840 | |
| | | Minimum | 25 | |
| | | Maximum | 50 | |
| | | Range | 25 | |
| | | Interquartile Range | 20 | |
| | | Skewness | .559 | .913 |
| | | Kurtosis | -2.368 | 2.000 |
| Motilitas Cukup Baik | 1 | Mean | 27.00 | 3.000 |
| | | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 18.67 35.33 |
| | | 5% Trimmed Mean | 26.94 | |
| | | Median | 30.00 | |
| | | Variance | 45.000 | |
| | | Std. Deviation | 6.708 | |

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|---|----------------------------------|-------------|--------|-------|
| | Minimum | | 20 | |
| | Maximum | | 35 | |
| | Range | | 15 | |
| | Interquartile Range | | 13 | |
| | Skewness | | -.166 | .913 |
| | Kurtosis | | -2.407 | 2.000 |
| 2 | Mean | | 33.00 | 3.000 |
| | 95% Confidence Interval for Mean | Lower Bound | 24.67 | |
| | | Upper Bound | 41.33 | |
| | 5% Trimmed Mean | | 33.06 | |
| | Median | | 30.00 | |
| | Variance | | 45.000 | |
| | Std. Deviation | | 6.708 | |
| | Minimum | | 25 | |
| | Maximum | | 40 | |
| | Range | | 15 | |
| | Interquartile Range | | 13 | |
| | Skewness | | .166 | .913 |
| | Kurtosis | | -2.407 | 2.000 |
| 3 | Mean | | 36.00 | 3.317 |
| | 95% Confidence Interval for Mean | Lower Bound | 26.79 | |
| | | Upper Bound | 45.21 | |
| | 5% Trimmed Mean | | 36.11 | |
| | Median | | 35.00 | |
| | Variance | | 55.000 | |
| | Std. Deviation | | 7.416 | |
| | Minimum | | 25 | |
| | Maximum | | 45 | |
| | Range | | 20 | |
| | Interquartile Range | | 13 | |
| | Skewness | | -.552 | .913 |
| | Kurtosis | | .868 | 2.000 |
| 4 | Mean | | 32.00 | 2.000 |
| | 95% Confidence Interval for Mean | Lower Bound | 26.45 | |
| | | Upper Bound | 37.55 | |
| | 5% Trimmed Mean | | 31.67 | |

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|--------------------------|---|----------------------------------|----------------------------|----------------|
| | | Median | 30.00 | |
| | | Variance | 20.000 | |
| | | Std. Deviation | 4.472 | |
| | | Minimum | 30 | |
| | | Maximum | 40 | |
| | | Range | 10 | |
| | | Interquartile Range | 5 | |
| | | Skewness | 2.236 | .913 |
| | | Kurtosis | 5.000 | 2.000 |
| 5 | | Mean | 36.00 | 2.915 |
| | | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 27.91 44.09 |
| | | 5% Trimmed Mean | 35.83 | |
| | | Median | 35.00 | |
| | | Variance | 42.500 | |
| | | Std. Deviation | 6.519 | |
| | | Minimum | 30 | |
| | | Maximum | 45 | |
| | | Range | 15 | |
| | | Interquartile Range | 13 | |
| | | Skewness | .541 | .913 |
| | | Kurtosis | -1.488 | 2.000 |
| Motilitas Tidak Bergerak | 1 | Mean | 37.00 | 5.385 |
| | | 95% Confidence Interval for Mean | Lower Bound Upper Bound | 22.05 51.95 |
| | | 5% Trimmed Mean | 36.94 | |
| | | Median | 30.00 | |
| | | Variance | 145.000 | |
| | | Std. Deviation | 12.042 | |
| | | Minimum | 25 | |
| | | Maximum | 50 | |
| | | Range | 25 | |
| | | Interquartile Range | 23 | |
| | | Skewness | .473 | .913 |
| | | Kurtosis | -3.086 | 2.000 |
| | 2 | Mean | 33.00 | 3.742 |

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|---|----------------------------------|-------------|---------|-------|
| | 95% Confidence Interval for Mean | Lower Bound | 22.61 | |
| | | Upper Bound | 43.39 | |
| | 5% Trimmed Mean | | 33.33 | |
| | Median | | 35.00 | |
| | Variance | | 70.000 | |
| | Std. Deviation | | 8.367 | |
| | Minimum | | 20 | |
| | Maximum | | 40 | |
| | Range | | 20 | |
| | Interquartile Range | | 15 | |
| | Skewness | | -1.089 | .913 |
| | Kurtosis | | .536 | 2.000 |
| 3 | Mean | | 35.00 | 8.062 |
| | 95% Confidence Interval for Mean | Lower Bound | 12.62 | |
| | | Upper Bound | 57.38 | |
| | 5% Trimmed Mean | | 34.72 | |
| | Median | | 40.00 | |
| | Variance | | 325.000 | |
| | Std. Deviation | | 18.028 | |
| | Minimum | | 15 | |
| | Maximum | | 60 | |
| | Range | | 45 | |
| | Interquartile Range | | 33 | |
| | Skewness | | .320 | .913 |
| | Kurtosis | | -.870 | 2.000 |
| 4 | Mean | | 31.00 | 3.317 |
| | 95% Confidence Interval for Mean | Lower Bound | 21.79 | |
| | | Upper Bound | 40.21 | |
| | 5% Trimmed Mean | | 31.11 | |
| | Median | | 30.00 | |
| | Variance | | 55.000 | |
| | Std. Deviation | | 7.416 | |
| | Minimum | | 20 | |
| | Maximum | | 40 | |
| | Range | | 20 | |
| | Interquartile Range | | 13 | |

| | | | | | |
|------------------|---|----------------------------------|-------------|---------|-------|
| | | Skewness | | -.552 | .913 |
| | | Kurtosis | | .868 | 2.000 |
| 5 | | Mean | | 28.00 | 4.637 |
| | | 95% Confidence Interval for Mean | Lower Bound | 15.13 | |
| | | | Upper Bound | 40.87 | |
| | | 5% Trimmed Mean | | 28.06 | |
| | | Median | | 30.00 | |
| | | Variance | | 107.500 | |
| | | Std. Deviation | | 10.368 | |
| | | Minimum | | 15 | |
| | | Maximum | | 40 | |
| | | Range | | 25 | |
| | | Interquartile Range | | 20 | |
| | | Skewness | | -.236 | .913 |
| | | Kurtosis | | -1.963 | 2.000 |
| Morfologi Normal | 1 | Mean | | 50.80 | 3.760 |
| | | 95% Confidence Interval for Mean | Lower Bound | 40.36 | |
| | | | Upper Bound | 61.24 | |
| | | 5% Trimmed Mean | | 51.28 | |
| | | Median | | 54.00 | |
| | | Variance | | 70.700 | |
| | | Std. Deviation | | 8.408 | |
| | | Minimum | | 36 | |
| | | Maximum | | 57 | |
| | | Range | | 21 | |
| | | Interquartile Range | | 11 | |
| | | Skewness | | -2.052 | .913 |
| | | Kurtosis | | 4.426 | 2.000 |
| | 2 | Mean | | 51.40 | 5.741 |
| | | 95% Confidence Interval for Mean | Lower Bound | 35.46 | |
| | | | Upper Bound | 67.34 | |
| | | 5% Trimmed Mean | | 51.33 | |
| | | Median | | 52.00 | |
| | | Variance | | 164.800 | |
| | | Std. Deviation | | 12.837 | |
| | | Minimum | | 36 | |

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|---|----------------------------------|-------------|--------|-------|
| | Maximum | | 68 | |
| | Range | | 32 | |
| | Interquartile Range | | 25 | |
| | Skewness | | .105 | .913 |
| | Kurtosis | | -1.404 | 2.000 |
| 3 | Mean | | 34.40 | 2.015 |
| | 95% Confidence Interval for Mean | Lower Bound | 28.81 | |
| | | Upper Bound | 39.99 | |
| | 5% Trimmed Mean | | 34.39 | |
| | Median | | 34.00 | |
| | Variance | | 20.300 | |
| | Std. Deviation | | 4.506 | |
| | Minimum | | 30 | |
| | Maximum | | 39 | |
| | Range | | 9 | |
| | Interquartile Range | | 9 | |
| | Skewness | | .110 | .913 |
| | Kurtosis | | -3.010 | 2.000 |
| 4 | Mean | | 48.60 | 2.821 |
| | 95% Confidence Interval for Mean | Lower Bound | 40.77 | |
| | | Upper Bound | 56.43 | |
| | 5% Trimmed Mean | | 48.89 | |
| | Median | | 51.00 | |
| | Variance | | 39.800 | |
| | Std. Deviation | | 6.309 | |
| | Minimum | | 38 | |
| | Maximum | | 54 | |
| | Range | | 16 | |
| | Interquartile Range | | 10 | |
| | Skewness | | -1.627 | .913 |
| | Kurtosis | | 2.765 | 2.000 |
| 5 | Mean | | 44.00 | 3.347 |
| | 95% Confidence Interval for Mean | Lower Bound | 34.71 | |
| | | Upper Bound | 53.29 | |
| | 5% Trimmed Mean | | 44.00 | |
| | Median | | 42.00 | |

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|--------------------|---|----------------------------------|-------------|---------|-------|
| | | Variance | | 56.000 | |
| | | Std. Deviation | | 7.483 | |
| | | Minimum | | 34 | |
| | | Maximum | | 54 | |
| | | Range | | 20 | |
| | | Interquartile Range | | 13 | |
| | | Skewness | | .048 | .913 |
| | | Kurtosis | | .087 | 2.000 |
| Morfologi Abnormal | 1 | Mean | | 49.20 | 3.760 |
| | | 95% Confidence Interval for Mean | Lower Bound | 38.76 | |
| | | | Upper Bound | 59.64 | |
| | | 5% Trimmed Mean | | 48.72 | |
| | | Median | | 46.00 | |
| | | Variance | | 70.700 | |
| | | Std. Deviation | | 8.408 | |
| | | Minimum | | 43 | |
| | | Maximum | | 64 | |
| | | Range | | 21 | |
| | | Interquartile Range | | 11 | |
| | | Skewness | | 2.052 | .913 |
| | | Kurtosis | | 4.426 | 2.000 |
| | 2 | Mean | | 48.60 | 5.741 |
| | | 95% Confidence Interval for Mean | Lower Bound | 32.66 | |
| | | | Upper Bound | 64.54 | |
| | | 5% Trimmed Mean | | 48.67 | |
| | | Median | | 48.00 | |
| | | Variance | | 164.800 | |
| | | Std. Deviation | | 12.837 | |
| | | Minimum | | 32 | |
| | | Maximum | | 64 | |
| | | Range | | 32 | |
| | | Interquartile Range | | 25 | |
| | | Skewness | | -.105 | .913 |
| | | Kurtosis | | -1.404 | 2.000 |

| | | | | |
|----------------------------------|----------------------------------|-------------|--------|-------|
| 3 | Mean | | 65.60 | 2.015 |
| | 95% Confidence Interval for Mean | Lower Bound | 60.01 | |
| | | Upper Bound | 71.19 | |
| | 5% Trimmed Mean | | 65.61 | |
| | Median | | 66.00 | |
| | Variance | | 20.300 | |
| | Std. Deviation | | 4.506 | |
| | Minimum | | 61 | |
| | Maximum | | 70 | |
| | Range | | 9 | |
| | Interquartile Range | | 9 | |
| | Skewness | | -.110 | .913 |
| | Kurtosis | | -3.010 | 2.000 |
| | 4 | Mean | | 51.40 |
| 95% Confidence Interval for Mean | | Lower Bound | 43.57 | |
| | | Upper Bound | 59.23 | |
| 5% Trimmed Mean | | | 51.11 | |
| Median | | | 49.00 | |
| Variance | | | 39.800 | |
| Std. Deviation | | | 6.309 | |
| Minimum | | | 46 | |
| Maximum | | | 62 | |
| Range | | | 16 | |
| Interquartile Range | | | 10 | |
| Skewness | | | 1.627 | .913 |
| Kurtosis | | | 2.765 | 2.000 |
| 5 | | Mean | | 56.20 |
| | 95% Confidence Interval for Mean | Lower Bound | 47.06 | |
| | | Upper Bound | 65.34 | |
| | 5% Trimmed Mean | | 56.22 | |
| | Median | | 58.00 | |
| | Variance | | 54.200 | |
| | Std. Deviation | | 7.362 | |
| | Minimum | | 46 | |

| | | |
|---------------------|-------|-------|
| Maximum | 66 | |
| Range | 20 | |
| Interquartile Range | 13 | |
| Skewness | -.147 | .913 |
| Kurtosis | .584 | 2.000 |

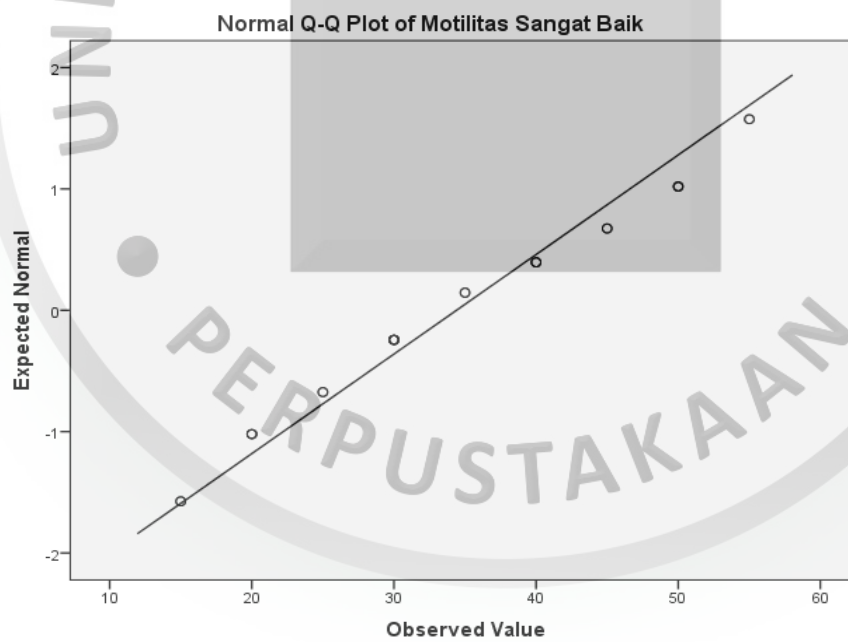
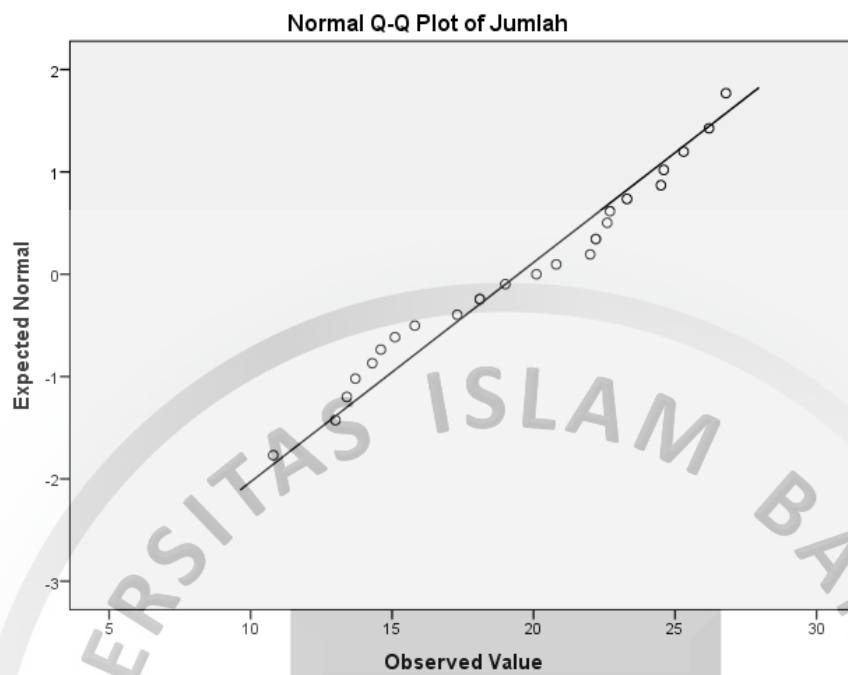
Normalitas

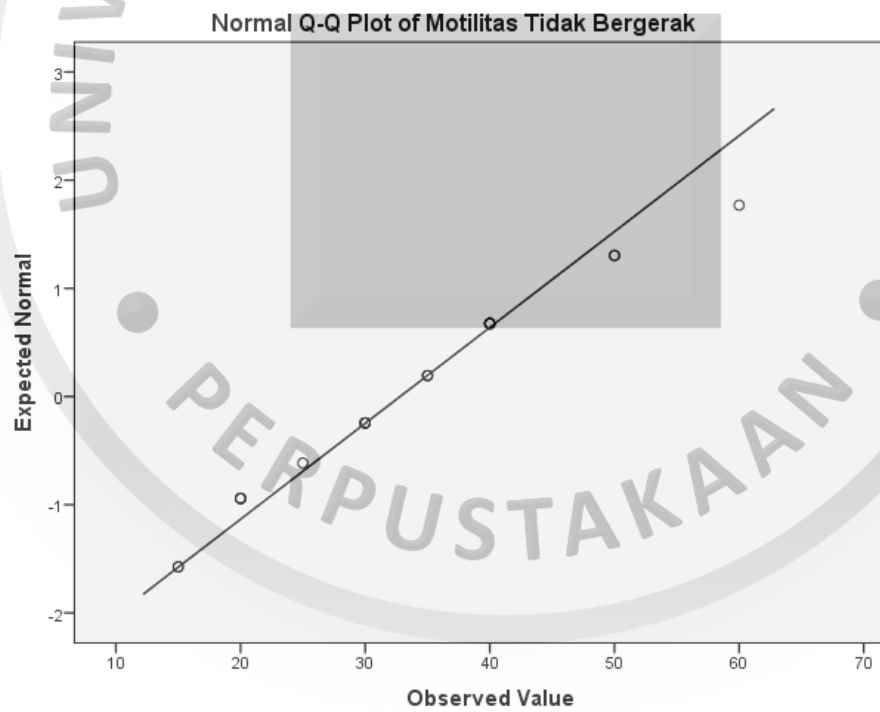
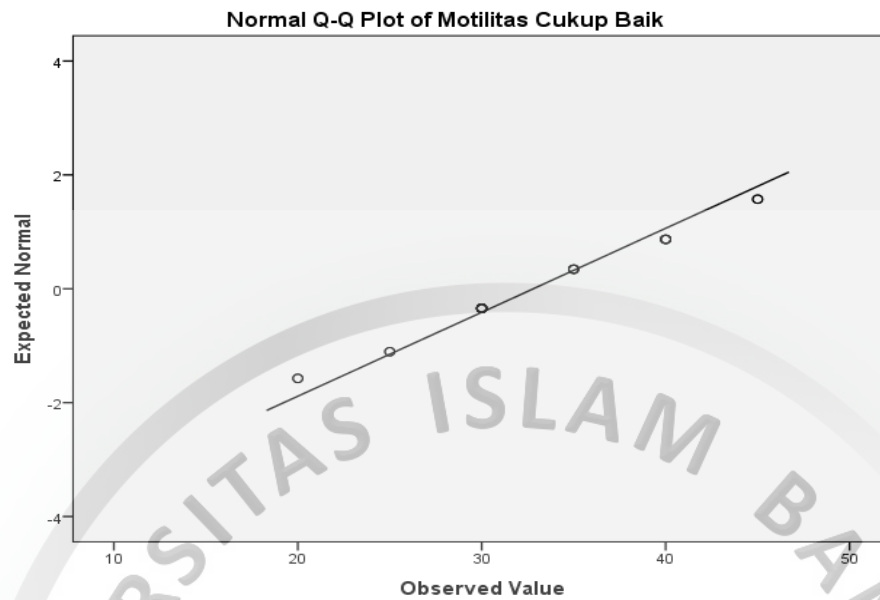
Tests of Normality

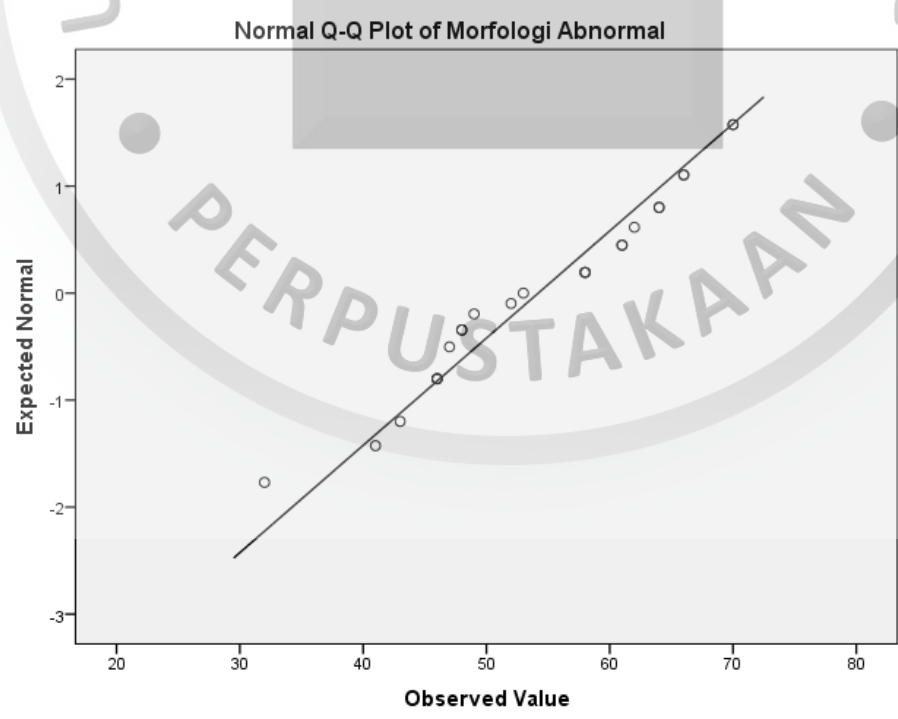
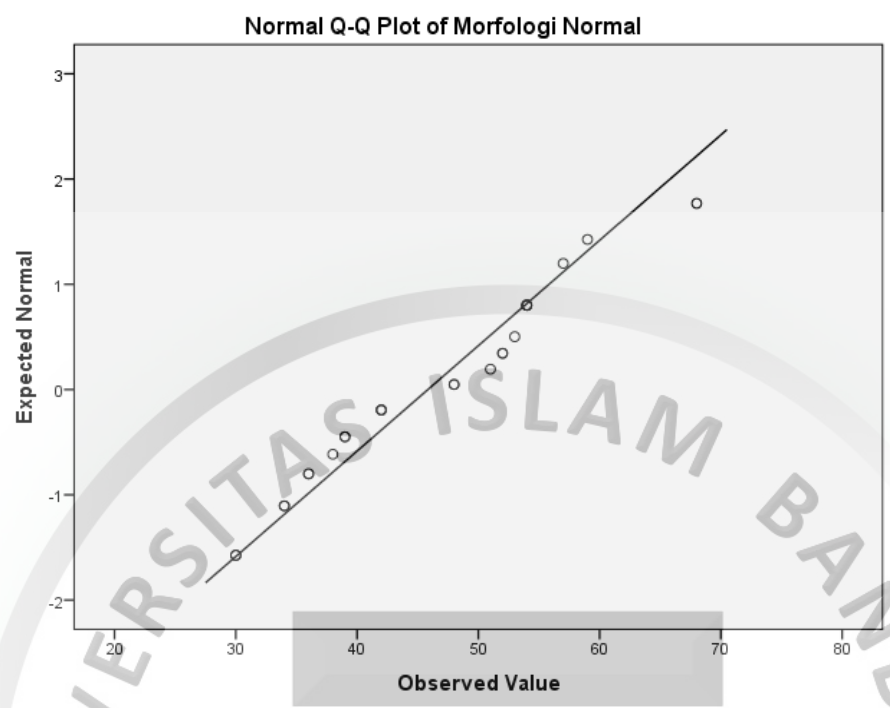
| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|--------------------------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Jumlah | .147 | 25 | .171 | .952 | 25 | .274 |
| Motilitas Sangat Baik | .161 | 25 | .094 | .947 | 25 | .213 |
| Motilitas Cukup Baik | .220 | 25 | .003 | .925 | 25 | .067 |
| Motilitas Tidak Bergerak | .142 | 25 | .200* | .949 | 25 | .240 |
| Morfologi Normal | .137 | 25 | .200* | .951 | 25 | .265 |
| Morfologi Abnormal | .139 | 25 | .200* | .952 | 25 | .284 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction







Homogenitas

Test of Homogeneity of Variances

| | Levene Statistic | df1 | df2 | Sig. |
|--------------------------|------------------|-----|-----|------|
| Jumlah | 1.914 | 4 | 20 | .147 |
| Motilitas Sangat Baik | 1.503 | 4 | 20 | .239 |
| Motilitas Cukup Baik | .517 | 4 | 20 | .724 |
| Motilitas Tidak Bergerak | 2.031 | 4 | 20 | .129 |
| Morfologi Normal | 1.400 | 4 | 20 | .270 |
| Morfologi Abnormal | 1.392 | 4 | 20 | .273 |

One way anova

ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|--------------------------|----------------|----------------|----|-------------|-------|------|
| Jumlah | Between Groups | 152.092 | 4 | 38.023 | 1.955 | .141 |
| | Within Groups | 388.968 | 20 | 19.448 | | |
| | Total | 541.060 | 24 | | | |
| Motilitas Sangat Baik | Between Groups | 206.000 | 4 | 51.500 | .307 | .870 |
| | Within Groups | 3360.000 | 20 | 168.000 | | |
| | Total | 3566.000 | 24 | | | |
| Motilitas Cukup Baik | Between Groups | 274.000 | 4 | 68.500 | 1.651 | .201 |
| | Within Groups | 830.000 | 20 | 41.500 | | |
| | Total | 1104.000 | 24 | | | |
| Motilitas Tidak Bergerak | Between Groups | 244.000 | 4 | 61.000 | .434 | .782 |
| | Within Groups | 2810.000 | 20 | 140.500 | | |
| | Total | 3054.000 | 24 | | | |
| Morfologi Normal | Between Groups | 986.960 | 4 | 246.740 | 3.509 | .025 |
| | Within Groups | 1406.400 | 20 | 70.320 | | |
| | Total | 2393.360 | 24 | | | |
| Morfologi Abnormal | Between Groups | 990.800 | 4 | 247.700 | 3.541 | .024 |
| | Within Groups | 1399.200 | 20 | 69.960 | | |
| | Total | 2390.000 | 24 | | | |

Tukey

Multiple Comparisons

Tukey HSD

| Dependent Variable | (I) Kelompok | (J) Kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|--------------|--------------|-----------------------|------------|-------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Morfologi Normal | 1 | 2 | -.600 | 5.304 | 1.000 | -16.47 | 15.27 |
| | | 3 | 16.400* | 5.304 | .041 | .53 | 32.27 |
| | | 4 | 2.200 | 5.304 | .993 | -13.67 | 18.07 |
| | | 5 | 6.800 | 5.304 | .705 | -9.07 | 22.67 |
| | 2 | 1 | .600 | 5.304 | 1.000 | -15.27 | 16.47 |
| | | 3 | 17.000* | 5.304 | .032 | 1.13 | 32.87 |
| | | 4 | 2.800 | 5.304 | .983 | -13.07 | 18.67 |
| | | 5 | 7.400 | 5.304 | .637 | -8.47 | 23.27 |
| | 3 | 1 | -16.400* | 5.304 | .041 | -32.27 | -.53 |
| | | 2 | -17.000* | 5.304 | .032 | -32.87 | -1.13 |
| | | 4 | -14.200 | 5.304 | .093 | -30.07 | 1.67 |
| | | 5 | -9.600 | 5.304 | .395 | -25.47 | 6.27 |
| | 4 | 1 | -2.200 | 5.304 | .993 | -18.07 | 13.67 |
| | | 2 | -2.800 | 5.304 | .983 | -18.67 | 13.07 |
| | | 3 | 14.200 | 5.304 | .093 | -1.67 | 30.07 |
| | | 5 | 4.600 | 5.304 | .905 | -11.27 | 20.47 |
| | 5 | 1 | -6.800 | 5.304 | .705 | -22.67 | 9.07 |
| | | 2 | -7.400 | 5.304 | .637 | -23.27 | 8.47 |
| | | 3 | 9.600 | 5.304 | .395 | -6.27 | 25.47 |
| | | 4 | -4.600 | 5.304 | .905 | -20.47 | 11.27 |
| Morfologi Abnormal | 1 | 2 | .600 | 5.290 | 1.000 | -15.23 | 16.43 |
| | | 3 | -16.400* | 5.290 | .040 | -32.23 | -.57 |
| | | 4 | -2.200 | 5.290 | .993 | -18.03 | 13.63 |
| | | 5 | -7.000 | 5.290 | .681 | -22.83 | 8.83 |
| | 2 | 1 | -.600 | 5.290 | 1.000 | -16.43 | 15.23 |
| | | 3 | -17.000* | 5.290 | .032 | -32.83 | -1.17 |

| | | | | | | |
|---|---|---------|-------|------|--------|-------|
| | 4 | -2.800 | 5.290 | .983 | -18.63 | 13.03 |
| | 5 | -7.600 | 5.290 | .612 | -23.43 | 8.23 |
| 3 | 1 | 16.400* | 5.290 | .040 | .57 | 32.23 |
| | 2 | 17.000* | 5.290 | .032 | 1.17 | 32.83 |
| | 4 | 14.200 | 5.290 | .092 | -1.63 | 30.03 |
| | 5 | 9.400 | 5.290 | .413 | -6.43 | 25.23 |
| 4 | 1 | 2.200 | 5.290 | .993 | -13.63 | 18.03 |
| | 2 | 2.800 | 5.290 | .983 | -13.03 | 18.63 |
| | 3 | -14.200 | 5.290 | .092 | -30.03 | 1.63 |
| | 5 | -4.800 | 5.290 | .891 | -20.63 | 11.03 |
| 5 | 1 | 7.000 | 5.290 | .681 | -8.83 | 22.83 |
| | 2 | 7.600 | 5.290 | .612 | -8.23 | 23.43 |
| | 3 | -9.400 | 5.290 | .413 | -25.23 | 6.43 |
| | 4 | 4.800 | 5.290 | .891 | -11.03 | 20.63 |

*. The mean difference is significant at the 0.05 level.

Morfologi Normal

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 | |
|----------|---|-------------------------|-------|
| | | 1 | 2 |
| 3 | 5 | 34.40 | |
| 5 | 5 | 44.00 | 44.00 |
| 4 | 5 | 48.60 | 48.60 |
| 1 | 5 | | 50.80 |
| 2 | 5 | | 51.40 |
| Sig. | | .093 | .637 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Morfologi Abnormal

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 | |
|----------|---|-------------------------|---|
| | | 1 | 2 |
| 2 | 5 | 48.60 | |
| 1 | 5 | 49.20 | |

| | | | |
|------|---|-------|-------|
| 4 | 5 | 51.40 | 51.40 |
| 5 | 5 | 56.20 | 56.20 |
| 3 | 5 | | 65.60 |
| Sig. | | .612 | .092 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Multiple Comparisons

Tukey HSD

| Dependent Variable | (I) Kelompok | (J) Kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|--------------|--------------|-----------------------|------------|-------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Morfologi Normal | 1 | 2 | -.600 | 5.304 | 1.000 | -16.47 | 15.27 |
| | | 3 | 16.400* | 5.304 | .041 | .53 | 32.27 |
| | | 4 | 2.200 | 5.304 | .993 | -13.67 | 18.07 |
| | | 5 | 6.800 | 5.304 | .705 | -9.07 | 22.67 |
| | 2 | 1 | .600 | 5.304 | 1.000 | -15.27 | 16.47 |
| | | 3 | 17.000* | 5.304 | .032 | 1.13 | 32.87 |
| | | 4 | 2.800 | 5.304 | .983 | -13.07 | 18.67 |
| | | 5 | 7.400 | 5.304 | .637 | -8.47 | 23.27 |
| | 3 | 1 | -16.400* | 5.304 | .041 | -32.27 | -.53 |
| | | 2 | -17.000* | 5.304 | .032 | -32.87 | -1.13 |
| | | 4 | -14.200 | 5.304 | .093 | -30.07 | 1.67 |
| | | 5 | -9.600 | 5.304 | .395 | -25.47 | 6.27 |
| | 4 | 1 | -2.200 | 5.304 | .993 | -18.07 | 13.67 |
| | | 2 | -2.800 | 5.304 | .983 | -18.67 | 13.07 |
| | | 3 | 14.200 | 5.304 | .093 | -1.67 | 30.07 |
| | | 5 | 4.600 | 5.304 | .905 | -11.27 | 20.47 |
| | 5 | 1 | -6.800 | 5.304 | .705 | -22.67 | 9.07 |
| | | 2 | -7.400 | 5.304 | .637 | -23.27 | 8.47 |
| | | 3 | 9.600 | 5.304 | .395 | -6.27 | 25.47 |
| | | 4 | -4.600 | 5.304 | .905 | -20.47 | 11.27 |
| Morfologi Abnormal | 1 | 2 | .600 | 5.290 | 1.000 | -15.23 | 16.43 |
| | | 3 | -16.400* | 5.290 | .040 | -32.23 | -.57 |
| | | 4 | -2.200 | 5.290 | .993 | -18.03 | 13.63 |
| | | 5 | -7.000 | 5.290 | .681 | -22.83 | 8.83 |
| | 2 | 1 | -.600 | 5.290 | 1.000 | -16.43 | 15.23 |
| | | 3 | -17.000* | 5.290 | .032 | -32.83 | -1.17 |
| | | 4 | -2.800 | 5.290 | .983 | -18.63 | 13.03 |
| | | 5 | -7.600 | 5.290 | .612 | -23.43 | 8.23 |

| | | | | | | |
|---|---|---------|-------|------|--------|-------|
| 3 | 1 | 16.400* | 5.290 | .040 | .57 | 32.23 |
| | 2 | 17.000* | 5.290 | .032 | 1.17 | 32.83 |
| | 4 | 14.200 | 5.290 | .092 | -1.63 | 30.03 |
| | 5 | 9.400 | 5.290 | .413 | -6.43 | 25.23 |
| 4 | 1 | 2.200 | 5.290 | .993 | -13.63 | 18.03 |
| | 2 | 2.800 | 5.290 | .983 | -13.03 | 18.63 |
| | 3 | -14.200 | 5.290 | .092 | -30.03 | 1.63 |
| | 5 | -4.800 | 5.290 | .891 | -20.63 | 11.03 |
| 5 | 1 | 7.000 | 5.290 | .681 | -8.83 | 22.83 |
| | 2 | 7.600 | 5.290 | .612 | -8.23 | 23.43 |
| | 3 | -9.400 | 5.290 | .413 | -25.23 | 6.43 |
| | 4 | 4.800 | 5.290 | .891 | -11.03 | 20.63 |

*. The mean difference is significant at the 0.05 level.

Jumlah

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 |
|----------|---|----------------------------|
| | | 1 |
| 2 | 5 | 17.2200 |
| 3 | 5 | 17.5200 |
| 4 | 5 | 19.3000 |
| 5 | 5 | 21.5000 |
| 1 | 5 | 21.7600 |
| Sig. | | .546 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Motilitas Baik

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 |
|----------|---|----------------------------|
| | | 1 |
| 3 | 5 | 29.00 |
| 2 | 5 | 34.00 |

| | | |
|------|---|-------|
| 1 | 5 | 36.00 |
| 5 | 5 | 36.00 |
| 4 | 5 | 37.00 |
| Sig. | | .863 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Motilitas Bergerak di tempat atau berkelok

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 | |
|----------|---|----------------------------|-------|
| | | 1 | |
| 1 | 5 | | 27.00 |
| 4 | 5 | | 32.00 |
| 2 | 5 | | 33.00 |
| 3 | 5 | | 36.00 |
| 5 | 5 | | 36.00 |
| Sig. | | | .217 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Motilitas Tidak Bergerak

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 | |
|----------|---|----------------------------|-------|
| | | 1 | |
| 5 | 5 | | 28.00 |
| 4 | 5 | | 31.00 |
| 2 | 5 | | 33.00 |
| 3 | 5 | | 35.00 |
| 1 | 5 | | 37.00 |
| Sig. | | | .751 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Morfologi Normal

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 | |
|----------|---|-------------------------|-------|
| | | 1 | 2 |
| 3 | 5 | 34.40 | |
| 5 | 5 | 44.00 | 44.00 |
| 4 | 5 | 48.60 | 48.60 |
| 1 | 5 | | 50.80 |
| 2 | 5 | | 51.40 |
| Sig. | | .093 | .637 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Morfologi Abnormal

Tukey HSD^a

| Kelompok | N | Subset for alpha = 0.05 | |
|----------|---|-------------------------|-------|
| | | 1 | 2 |
| 2 | 5 | 48.60 | |
| 1 | 5 | 49.20 | |
| 4 | 5 | 51.40 | 51.40 |
| 5 | 5 | 56.20 | 56.20 |
| 3 | 5 | | 65.60 |
| Sig. | | .612 | .092 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

RIWAYAT HIDUP



Penulis bernama Alfiani Triamullah, merupakan anak ketiga dari pasangan Ir. H. M. Sumpena Hikall, M.Si. dan Hj. Cucu Kurniasih, S.Sos. Penulis lahir di Bandung pada tanggal 7 Juli 1997, dan tinggal di Buah Batu Regency.

Penulis telah menyelesaikan pendidikan taman kanak-kanak di TK Nurul Ilmi tahun 2003, Sekolah Dasar di SD Negeri Gempol Sari tahun 2009, Sekolah Menengah Pertama di SMP Istiqamah tahun 2012 dan melanjutkan Sekolah Menengah Atas di SMA Negeri 5 Bandung tahun 2015. Sejak tahun 2016, penulis melanjutkan pendidikan di Fakultas Kedokteran Universitas Islam Bandung.

Organisasi yang pernah diikuti oleh penulis diantaranya BEM FK Unisba tahun 2017-2019, menjadi Sekretaris Departemen Ekonomi Keuangan dan Investasi tahun 2017-2018, dan Anggota Departemen Ekonomi Keuangan dan Investasi tahun 2018-2019.