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LAMPIRAN

Tabel Lampiran 1. Presentase Mortalitas *Aphis Gossypii*

| Perlakuan (Konsentrasi) | Ulangan | Mortalitas % (jam) | | | | | | | Total | Rata- rata |
|----------------------------|---------|--------------------|----|----|-----|-----|-----|-----|-------|---------------|
| | | 1 | 2 | 3 | 4 | 24 | 48 | 72 | | |
| Kontrol P0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 20 | 2.86 |
| | 2 | 0 | 0 | 10 | 0 | 0 | 20 | 20 | 50 | 7.14 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 20 | 2.86 |
| | 4 | 0 | 0 | 0 | 10 | 20 | 20 | 20 | 70 | 10.00 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 20 | 20 | 40 | 5.71 |
| 0.25% P1 | 1 | 0 | 30 | 40 | 40 | 70 | 100 | 100 | 380 | 54.29 |
| | 2 | 0 | 0 | 0 | 20 | 70 | 80 | 100 | 270 | 38.57 |
| | 3 | 0 | 30 | 40 | 60 | 80 | 100 | 100 | 410 | 58.57 |
| | 4 | 0 | 0 | 10 | 40 | 60 | 90 | 100 | 300 | 42.86 |
| | 5 | 0 | 0 | 10 | 30 | 60 | 90 | 100 | 290 | 41.43 |
| 1% P2 | 1 | 10 | 20 | 50 | 60 | 100 | 100 | 100 | 440 | 62.86 |
| | 2 | 10 | 50 | 60 | 80 | 100 | 100 | 100 | 500 | 71.43 |
| | 3 | 0 | 30 | 60 | 70 | 100 | 100 | 100 | 460 | 65.71 |
| | 4 | 0 | 20 | 40 | 40 | 70 | 100 | 100 | 370 | 52.86 |
| | 5 | 0 | 10 | 20 | 20 | 40 | 100 | 100 | 290 | 41.43 |
| 1.5% P3 | 1 | 0 | 20 | 40 | 80 | 100 | 100 | 100 | 440 | 62.86 |
| | 2 | 0 | 20 | 40 | 60 | 90 | 100 | 100 | 410 | 58.57 |
| | 3 | 0 | 20 | 30 | 40 | 80 | 100 | 100 | 370 | 52.86 |
| | 4 | 0 | 20 | 40 | 70 | 100 | 100 | 100 | 430 | 61.43 |
| | 5 | 0 | 30 | 60 | 70 | 100 | 100 | 100 | 460 | 65.71 |
| 2.5% | 1 | 20 | 50 | 70 | 100 | 100 | 100 | 100 | 540 | 77.14 |
| | 2 | 20 | 40 | 70 | 100 | 100 | 100 | 100 | 530 | 75.71 |
| | 3 | 30 | 30 | 60 | 100 | 100 | 100 | 100 | 520 | 74.29 |
| | 4 | 10 | 40 | 60 | 100 | 100 | 100 | 100 | 510 | 72.86 |
| | 5 | 20 | 40 | 70 | 100 | 100 | 100 | 100 | 530 | 75.71 |
| | 1 | 20 | 40 | 70 | 100 | 100 | 100 | 100 | 530 | 75.71 |
| | 2 | 30 | 60 | 80 | 100 | 100 | 100 | 100 | 570 | 81.43 |
| | 3 | 30 | 60 | 90 | 100 | 100 | 100 | 100 | 580 | 82.86 |
| | 4 | 30 | 60 | 80 | 100 | 100 | 100 | 100 | 570 | 81.43 |
| | 5 | 20 | 40 | 80 | 100 | 100 | 100 | 100 | 540 | 77.14 |



Tabel Lampiran 2. Sidik Ragam Mortalitas *Aphis gossypii*

1. Sidik Ragam Pengamatan 1 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|-------|------|------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 21.87 | 4.37 | 6.24 | 2.62 | 3.90 | ** |
| GALAT | 24 | 16.83 | 0.70 | | | | |
| TOTAL | 29 | 38.70 | | | | | |

2. Sidik Ragam Pengamatan 2 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 87.87 | 17.57 | 15.28 | 2.62 | 3.90 | ** |
| GALAT | 24 | 27.60 | 1.15 | | | | |
| TOTAL | 29 | 115.47 | | | | | |

3. Sidik Ragam Pengamatan 3 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 205.87 | 41.17 | 29.06 | 2.62 | 3.90 | ** |
| GALAT | 24 | 34 | 1.42 | | | | |
| TOTAL | 29 | 239.87 | | | | | |

4. Sidik Ragam Pengamatan 4 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 354.97 | 70.99 | 40.57 | 2.62 | 3.90 | ** |
| GALAT | 24 | 42.00 | 1.75 | | | | |
| TOTAL | 29 | 396.97 | | | | | |

5. Sidik Ragam Pengamatan 24 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 337.47 | 67.49 | 42.63 | 2.62 | 3.90 | ** |
| GALAT | 24 | 38.00 | 1.58 | | | | |
| TOTAL | 29 | 375.47 | | | | | |



6. Sidik Ragam Pengamatan 48 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|--------|--------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 285.47 | 57.093 | 342.56 | 2.62 | 3.90 | ** |
| GALAT | 24 | 4.00 | 0.167 | | | | |
| TOTAL | 29 | 289.47 | | | | | |

7. Sidik Ragam Pengamatan 72 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|--------|------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 5 | 294.00 | 58.800 | 1176 | 2.62 | 3.90 | ** |
| GALAT | 24 | 1.20 | 0.05 | | | | |
| TOTAL | 29 | 295.20 | | | | | |



Tabel Lampiran 3. Hasil Analisa Probit LC₅₀ Dan LC₉₀ Pada Setiap Pengamatan

1. Hasil Analisa Probit LC₅₀ Dan LC₉₀ Pengamatan 2 Jam

Confidence Limits

| | Probabilit y | 95% Confidence Limits for Konsentrasi | | | 95% Confidence Limits for log(Konsentrasi) ^a | | |
|--------|-----------------|--|----------------|------------------------|--|----------------|----------------|
| | | Estimate | Lower Bound | Upper Bound | Estimat e | Lower Bound | Upper Bound |
| PROBIT | .010 | 0.393 | 0.000 | 1.066 | -0.406 | -26.342 | 0.028 |
| | .020 | 0.512 | 0.000 | 1.225 | -0.291 | -22.747 | 0.088 |
| | .030 | 0.605 | 0.000 | 1.339 | -0.218 | -20.467 | 0.127 |
| | .040 | 0.687 | 0.000 | 1.432 | -0.163 | -18.751 | 0.156 |
| | .050 | 0.761 | 0.000 | 1.514 | -0.119 | -17.356 | 0.180 |
| | .060 | 0.831 | 0.000 | 1.587 | -0.081 | -16.169 | 0.201 |
| | .070 | 0.897 | 0.000 | 1.656 | -0.047 | -15.128 | 0.219 |
| | .080 | 0.960 | 0.000 | 1.720 | -0.018 | -14.197 | 0.236 |
| | .090 | 1.022 | 0.000 | 1.781 | 0.010 | -13.349 | 0.251 |
| | .100 | 1.083 | 0.000 | 1.840 | 0.035 | -12.570 | 0.265 |
| | .150 | 1.373 | 0.000 | 2.118 | 0.138 | -9.344 | 0.326 |
| | .200 | 1.659 | 0.000 | 2.399 | 0.220 | -6.786 | 0.380 |
| | .250 | 1.951 | 0.000 | 2.731 | 0.290 | -4.601 | 0.436 |
| | .300 | 2.257 | 0.002 | 3.240 | 0.354 | -2.663 | 0.511 |
| | .350 | 2.583 | 0.110 | 4.704 | 0.412 | -0.960 | 0.672 |
| | .400 | 2.936 | 1.248 | 24.328 | 0.468 | 0.096 | 1.386 |
| | .450 | 3.324 | 2.207 | 708.677 | 0.522 | 0.344 | 2.850 |
| | .500 | 3.754 | 2.677 | 28291.838 | 0.575 | 0.428 | 4.452 |
| | .550 | 4.241 | 3.015 | 1216174.470 | 0.628 | 0.479 | 6.085 |
| | .600 | 4.801 | 3.315 | 57005074.669 | 0.681 | 0.520 | 7.756 |
| | .650 | 5.457 | 3.612 | 3078273841.684 | 0.737 | 0.558 | 9.488 |
| | .700 | 6.245 | 3.925 | 207526834950.394 | 0.796 | 0.594 | 11.317 |
| | .750 | 7.224 | 4.274 | 19616903658724.400 | 0.859 | 0.631 | 13.293 |
| | .800 | 8.496 | 4.683 | 3118883021529180.000 | 0.929 | 0.671 | 15.494 |
| | | 10.264 | 5.194 | 1151305651837300000 | 1.011 | 0.716 | 18.061 |
| | | 13.024 | 5.902 | 1960930067725050000000 | 1.115 | 0.771 | 21.292 |



2. Hasil Analisis Probit LC₅₀ Dan LC₉₀ Pengamatan 3 Jam

| Confidence Limits | | | | | | | |
|-------------------|-----------------|--|----------------|----------------|--|----------------|----------------|
| | Probabilit y | 95% Confidence Limits for Konsentrasi | | | 95% Confidence Limits for log(Konsentrasi) ^a | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT | .010 | 0.248 | 0.005 | 0.622 | -0.605 | -2.324 | -0.206 |
| | .020 | 0.316 | 0.009 | 0.724 | -0.500 | -2.042 | -0.140 |
| | .030 | 0.368 | 0.014 | 0.797 | -0.434 | -1.863 | -0.099 |
| | .040 | 0.413 | 0.019 | 0.857 | -0.384 | -1.729 | -0.067 |
| | .050 | 0.454 | 0.024 | 0.909 | -0.343 | -1.620 | -0.041 |
| | .060 | 0.491 | 0.030 | 0.956 | -0.309 | -1.527 | -0.019 |
| | .070 | 0.527 | 0.036 | 1.000 | -0.278 | -1.446 | 0.000 |
| | .080 | 0.561 | 0.042 | 1.041 | -0.251 | -1.373 | 0.017 |
| | .090 | 0.594 | 0.049 | 1.079 | -0.226 | -1.307 | 0.033 |
| | .100 | 0.626 | 0.057 | 1.116 | -0.203 | -1.247 | 0.048 |
| | .150 | 0.778 | 0.101 | 1.285 | -0.109 | -0.995 | 0.109 |
| | .200 | 0.924 | 0.160 | 1.440 | -0.034 | -0.797 | 0.158 |
| | .250 | 1.071 | 0.236 | 1.591 | 0.030 | -0.627 | 0.202 |
| | .300 | 1.223 | 0.334 | 1.746 | 0.088 | -0.477 | 0.242 |
| | .350 | 1.383 | 0.459 | 1.910 | 0.141 | -0.339 | 0.281 |
| | .400 | 1.555 | 0.617 | 2.091 | 0.192 | -0.210 | 0.320 |
| | .450 | 1.741 | 0.816 | 2.301 | 0.241 | -0.089 | 0.362 |
| | .500 | 1.946 | 1.060 | 2.558 | 0.289 | 0.025 | 0.408 |
| | .550 | 2.175 | 1.351 | 2.902 | 0.337 | 0.131 | 0.463 |
| | .600 | 2.435 | 1.677 | 3.400 | 0.386 | 0.225 | 0.531 |
| | .650 | 2.736 | 2.015 | 4.168 | 0.437 | 0.304 | 0.620 |
| | .700 | 3.095 | 2.347 | 5.380 | 0.491 | 0.370 | 0.731 |
| | .750 | 3.534 | 2.680 | 7.315 | 0.548 | 0.428 | 0.864 |
| | .800 | 4.098 | 3.039 | 10.533 | 0.613 | 0.483 | 1.023 |
| | .850 | 4.869 | 3.463 | 16.365 | 0.687 | 0.539 | 1.214 |
| | .900 | 5.048 | 4.033 | 28.836 | 0.782 | 0.606 | 1.460 |
| | .910 | 6.374 | 4.179 | 33.105 | 0.804 | 0.621 | 1.520 |
| | | 6.747 | 4.342 | 38.475 | 0.829 | 0.638 | 1.585 |
| | | 7.183 | 4.527 | 45.408 | 0.856 | 0.656 | 1.657 |
| | | 7.703 | 4.741 | 54.661 | 0.887 | 0.676 | 1.738 |
| | | 8.342 | 4.995 | 67.565 | 0.921 | 0.699 | 1.830 |



3. Hasil Analisis Probit LC₅₀ Dan LC₉₀ Pengamatan 4 Jam

| Confidence Limits | | | | | | | |
|-------------------|-------------|---------------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for Konsentrasi | | | 95% Confidence Limits for log(Konsentrasi) ^a | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT | .010 | 0.737 | 0.081 | 1.101 | -0.133 | -1.091 | 0.042 |
| | .020 | 0.797 | 0.105 | 1.155 | -0.099 | -0.977 | 0.063 |
| | .030 | 0.838 | 0.124 | 1.191 | -0.077 | -0.905 | 0.076 |
| | .040 | 0.870 | 0.141 | 1.219 | -0.060 | -0.851 | 0.086 |
| | .050 | 0.897 | 0.156 | 1.242 | -0.047 | -0.807 | 0.094 |
| | .060 | 0.921 | 0.170 | 1.262 | -0.036 | -0.770 | 0.101 |
| | .070 | 0.942 | 0.183 | 1.280 | -0.026 | -0.737 | 0.107 |
| | .080 | 0.962 | 0.196 | 1.296 | -0.017 | -0.708 | 0.113 |
| | .090 | 0.980 | 0.208 | 1.311 | -0.009 | -0.681 | 0.118 |
| | .100 | 0.997 | 0.221 | 1.325 | -0.001 | -0.656 | 0.122 |
| | .150 | 1.070 | 0.279 | 1.385 | 0.029 | -0.555 | 0.142 |
| | .200 | 1.132 | 0.335 | 1.436 | 0.054 | -0.475 | 0.157 |
| | .250 | 1.188 | 0.393 | 1.482 | 0.075 | -0.406 | 0.171 |
| | .300 | 1.241 | 0.453 | 1.525 | 0.094 | -0.344 | 0.183 |
| | .350 | 1.292 | 0.516 | 1.567 | 0.111 | -0.287 | 0.195 |
| | .400 | 1.342 | 0.584 | 1.608 | 0.128 | -0.234 | 0.206 |
| | .450 | 1.393 | 0.657 | 1.651 | 0.144 | -0.182 | 0.218 |
| | .500 | 1.444 | 0.738 | 1.696 | 0.160 | -0.132 | 0.230 |
| | .550 | 1.498 | 0.827 | 1.745 | 0.175 | -0.082 | 0.242 |
| | .600 | 1.554 | 0.927 | 1.800 | 0.191 | -0.033 | 0.255 |
| | .650 | 1.615 | 1.040 | 1.864 | 0.208 | 0.017 | 0.270 |
| | .700 | 1.681 | 1.168 | 1.943 | 0.226 | 0.068 | 0.288 |
| | .750 | 1.756 | 1.313 | 2.050 | 0.244 | 0.118 | 0.312 |
| | .800 | 1.843 | 1.472 | 2.210 | 0.265 | 0.168 | 0.344 |
| | .850 | 1.949 | 1.639 | 2.476 | 0.290 | 0.215 | 0.394 |
| | .900 | 2.093 | 1.808 | 2.964 | 0.321 | 0.257 | 0.472 |
| | .910 | 2.129 | 1.843 | 3.110 | 0.328 | 0.266 | 0.493 |
| | .920 | 2.169 | 1.879 | 3.282 | 0.336 | 0.274 | 0.516 |
| | .930 | 2.214 | 1.917 | 3.486 | 0.345 | 0.283 | 0.542 |
| | .940 | 2.265 | 1.958 | 3.734 | 0.355 | 0.292 | 0.572 |
| | .950 | 2.325 | 2.002 | 4.044 | 0.366 | 0.301 | 0.607 |



4. Hasil Analisa Probit LC₅₀ Dan LC₅₀ Pengamatan 24 Jam

| Confidence Limits | | | | | | | |
|-------------------|-------------|---------------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for Konsentrasi | | | 95% Confidence Limits for log(Konsentrasi) ^a | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT | .010 | 0.408 | 0.026 | 0.696 | -0.390 | -1.578 | -0.157 |
| | .020 | 0.454 | 0.037 | 0.744 | -0.343 | -1.430 | -0.128 |
| | .030 | 0.486 | 0.046 | 0.777 | -0.313 | -1.336 | -0.110 |
| | .040 | 0.512 | 0.054 | 0.802 | -0.291 | -1.265 | -0.096 |
| | .050 | 0.533 | 0.062 | 0.824 | -0.273 | -1.208 | -0.084 |
| | .060 | 0.553 | 0.069 | 0.843 | -0.257 | -1.159 | -0.074 |
| | .070 | 0.570 | 0.076 | 0.860 | -0.244 | -1.117 | -0.066 |
| | .080 | 0.586 | 0.083 | 0.876 | -0.232 | -1.079 | -0.058 |
| | .090 | 0.601 | 0.090 | 0.890 | -0.221 | -1.044 | -0.051 |
| | .100 | 0.616 | 0.097 | 0.904 | -0.211 | -1.012 | -0.044 |
| | .150 | 0.678 | 0.132 | 0.963 | -0.169 | -0.881 | -0.016 |
| | .200 | 0.733 | 0.167 | 1.015 | -0.135 | -0.776 | 0.006 |
| | .250 | 0.783 | 0.205 | 1.062 | -0.106 | -0.688 | 0.026 |
| | .300 | 0.830 | 0.246 | 1.108 | -0.081 | -0.609 | 0.045 |
| | .350 | 0.877 | 0.291 | 1.154 | -0.057 | -0.536 | 0.062 |
| | .400 | 0.924 | 0.341 | 1.202 | -0.034 | -0.468 | 0.080 |
| | .450 | 0.972 | 0.396 | 1.252 | -0.012 | -0.402 | 0.098 |
| | .500 | 1.022 | 0.458 | 1.306 | 0.009 | -0.339 | 0.116 |
| | .550 | 1.074 | 0.528 | 1.368 | 0.031 | -0.277 | 0.136 |
| | .600 | 1.129 | 0.607 | 1.439 | 0.053 | -0.217 | 0.158 |
| | .650 | 1.190 | 0.698 | 1.527 | 0.075 | -0.156 | 0.184 |
| | .700 | 1.257 | 0.800 | 1.640 | 0.099 | -0.097 | 0.215 |
| | .750 | 1.333 | 0.914 | 1.796 | 0.125 | -0.039 | 0.254 |
| | .800 | 1.425 | 1.040 | 2.028 | 0.154 | 0.017 | 0.307 |
| | .850 | 1.538 | 1.176 | 2.400 | 0.187 | 0.070 | 0.380 |
| | .900 | 1.695 | 1.328 | 3.068 | 0.229 | 0.123 | 0.487 |
| | .910 | 1.735 | 1.362 | 3.269 | 0.239 | 0.134 | 0.514 |
| | | 1.780 | 1.397 | 3.508 | 0.250 | 0.145 | 0.545 |
| | | 1.830 | 1.436 | 3.795 | 0.262 | 0.157 | 0.579 |
| | | 1.888 | 1.478 | 4.150 | 0.276 | 0.170 | 0.618 |
| | | 1.956 | 1.525 | 4.603 | 0.291 | 0.183 | 0.663 |
| | | 2.040 | 1.579 | 5.209 | 0.310 | 0.198 | 0.717 |



Tabel Lampiran 4. Hasil Analisis Probit LT₅₀ Dan LT₉₀ Pada Setiap Konsentrasi

1. Hasil Analisis Probit LT₅₀ Dan LT₉₀ Pada Konsentrasi 0.25%

| Confidence Limits | | | | | | | |
|---------------------|-------------|-------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for JAM | | | 95% Confidence Limits for log(JAM) ^b | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT ^a | .010 | 0.501 | 0.001 | 2.739 | -0.300 | -2.930 | 0.438 |
| | .020 | 0.699 | 0.003 | 3.427 | -0.156 | -2.586 | 0.535 |
| | .030 | 0.863 | 0.004 | 3.955 | -0.064 | -2.368 | 0.597 |
| | .040 | 1.012 | 0.006 | 4.408 | 0.005 | -2.204 | 0.644 |
| | .050 | 1.151 | 0.008 | 4.817 | 0.061 | -2.072 | 0.683 |
| | .060 | 1.285 | 0.011 | 5.198 | 0.109 | -1.959 | 0.716 |
| | .070 | 1.415 | 0.014 | 5.558 | 0.151 | -1.860 | 0.745 |
| | .080 | 1.543 | 0.017 | 5.904 | 0.188 | -1.771 | 0.771 |
| | .090 | 1.669 | 0.020 | 6.238 | 0.223 | -1.691 | 0.795 |
| | .100 | 1.795 | 0.024 | 6.564 | 0.254 | -1.617 | 0.817 |
| | .150 | 2.421 | 0.049 | 8.129 | 0.384 | -1.313 | 0.910 |
| | .200 | 3.071 | 0.084 | 9.673 | 0.487 | -1.073 | 0.986 |
| | .250 | 3.767 | 0.135 | 11.267 | 0.576 | -0.869 | 1.052 |
| | .300 | 4.525 | 0.206 | 12.966 | 0.656 | -0.687 | 1.113 |
| | .350 | 5.363 | 0.303 | 14.819 | 0.729 | -0.519 | 1.171 |
| | .400 | 6.301 | 0.434 | 16.885 | 0.799 | -0.362 | 1.227 |
| | .450 | 7.364 | 0.614 | 19.237 | 0.867 | -0.212 | 1.284 |
| | .500 | 8.586 | 0.859 | 21.978 | 0.934 | -0.066 | 1.342 |
| | .550 | 10.010 | 1.194 | 25.253 | 1.000 | 0.077 | 1.402 |
| | .600 | 11.700 | 1.658 | 29.286 | 1.068 | 0.219 | 1.467 |
| | .650 | 13.747 | 2.306 | 34.439 | 1.138 | 0.363 | 1.537 |
| | .700 | 16.292 | 3.227 | 41.340 | 1.212 | 0.509 | 1.616 |
| | .750 | 19.570 | 4.564 | 51.167 | 1.292 | 0.659 | 1.709 |
| | .800 | 24.002 | 6.560 | 66.406 | 1.380 | 0.817 | 1.822 |
| | .850 | 30.451 | 9.667 | 93.190 | 1.484 | 0.985 | 1.969 |
| | | 41.080 | 14.882 | 151.031 | 1.614 | 1.173 | 2.179 |
| | | 44.161 | 16.366 | 171.275 | 1.645 | 1.214 | 2.234 |
| | | 47.770 | 18.077 | 197.095 | 1.679 | 1.257 | 2.295 |
| | | 52.080 | 20.080 | 230.993 | 1.717 | 1.303 | 2.364 |
| | | 57.355 | 22.469 | 277.164 | 1.759 | 1.352 | 2.443 |
| | | 64.026 | 25.391 | 343.204 | 1.806 | 1.405 | 2.536 |



2. Hasil Analisis Probit LT₅₀ Dan LT₉₀ Pada Konsentrasi 1%

| Confidence Limits | | | | | | | |
|---------------------|-------------|-------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for JAM | | | 95% Confidence Limits for log(JAM) ^b | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT ^a | .010 | 0.245 | 0.000 | 1.827 | -0.610 | -7.521 | 0.262 |
| | .020 | 0.345 | 0.000 | 2.269 | -0.463 | -6.785 | 0.356 |
| | .030 | 0.428 | 0.000 | 2.611 | -0.369 | -6.318 | 0.417 |
| | .040 | 0.503 | 0.000 | 2.906 | -0.298 | -5.968 | 0.463 |
| | .050 | 0.574 | 0.000 | 3.176 | -0.241 | -5.684 | 0.502 |
| | .060 | 0.642 | 0.000 | 3.428 | -0.192 | -5.442 | 0.535 |
| | .070 | 0.709 | 0.000 | 3.669 | -0.150 | -5.231 | 0.564 |
| | .080 | 0.774 | 0.000 | 3.901 | -0.111 | -5.042 | 0.591 |
| | .090 | 0.839 | 0.000 | 4.129 | -0.076 | -4.871 | 0.616 |
| | .100 | 0.903 | 0.000 | 4.352 | -0.044 | -4.713 | 0.639 |
| | .150 | 1.226 | 0.000 | 5.454 | 0.088 | -4.064 | 0.737 |
| | .200 | 1.563 | 0.000 | 6.594 | 0.194 | -3.552 | 0.819 |
| | .250 | 1.925 | 0.001 | 7.839 | 0.284 | -3.118 | 0.894 |
| | .300 | 2.321 | 0.002 | 9.248 | 0.366 | -2.732 | 0.966 |
| | .350 | 2.761 | 0.004 | 10.898 | 0.441 | -2.379 | 1.037 |
| | .400 | 3.255 | 0.009 | 12.895 | 0.513 | -2.050 | 1.110 |
| | .450 | 3.817 | 0.018 | 15.396 | 0.582 | -1.738 | 1.187 |
| | .500 | 4.464 | 0.036 | 18.657 | 0.650 | -1.438 | 1.271 |
| | .550 | 5.221 | 0.071 | 23.111 | 0.718 | -1.148 | 1.364 |
| | .600 | 6.123 | 0.136 | 29.552 | 0.787 | -0.866 | 1.471 |
| | .650 | 7.218 | 0.257 | 39.548 | 0.858 | -0.590 | 1.597 |
| | .700 | 8.585 | 0.478 | 56.511 | 0.934 | -0.321 | 1.752 |
| | .750 | 10.352 | 0.872 | 88.834 | 1.015 | -0.060 | 1.949 |
| | .800 | 12.750 | 1.557 | 160.806 | 1.106 | 0.192 | 2.206 |
| | .850 | 16.256 | 2.722 | 361.152 | 1.211 | 0.435 | 2.558 |
| | .900 | 22.068 | 4.723 | 1163.234 | 1.344 | 0.674 | 3.066 |
| | .910 | 23.759 | 5.287 | 1574.397 | 1.376 | 0.723 | 3.197 |
| | .920 | 25.743 | 5.934 | 2203.191 | 1.411 | 0.773 | 3.343 |
| | | 28.116 | 6.686 | 3212.798 | 1.449 | 0.825 | 3.507 |
| | | 31.027 | 7.574 | 4937.643 | 1.492 | 0.879 | 3.694 |
| | | 34.715 | 8.650 | 8136.849 | 1.541 | 0.937 | 3.910 |



3. Hasil Analisis Probit LT₅₀ Dan LT₉₀ Pada Konsentrasi 1,5%

| Confidence Limits | | | | | | | |
|---------------------|-------------|-------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for JAM | | | 95% Confidence Limits for log(JAM) ^b | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT ^a | .010 | 0.504 | 0.001 | 1.718 | -0.298 | -2.928 | 0.235 |
| | .020 | 0.639 | 0.003 | 2.052 | -0.194 | -2.557 | 0.312 |
| | .030 | 0.743 | 0.005 | 2.308 | -0.129 | -2.324 | 0.363 |
| | .040 | 0.833 | 0.007 | 2.529 | -0.080 | -2.150 | 0.403 |
| | .050 | 0.913 | 0.010 | 2.731 | -0.039 | -2.010 | 0.436 |
| | .060 | 0.988 | 0.013 | 2.921 | -0.005 | -1.891 | 0.465 |
| | .070 | 1.058 | 0.016 | 3.103 | 0.025 | -1.787 | 0.492 |
| | .080 | 1.126 | 0.020 | 3.280 | 0.051 | -1.695 | 0.516 |
| | .090 | 1.191 | 0.024 | 3.454 | 0.076 | -1.612 | 0.538 |
| | .100 | 1.254 | 0.029 | 3.627 | 0.098 | -1.536 | 0.559 |
| | .150 | 1.553 | 0.059 | 4.498 | 0.191 | -1.227 | 0.653 |
| | .200 | 1.841 | 0.103 | 5.444 | 0.265 | -0.989 | 0.736 |
| | .250 | 2.130 | 0.161 | 6.528 | 0.328 | -0.793 | 0.815 |
| | .300 | 2.428 | 0.237 | 7.821 | 0.385 | -0.625 | 0.893 |
| | .350 | 2.741 | 0.333 | 9.410 | 0.438 | -0.477 | 0.974 |
| | .400 | 3.075 | 0.453 | 11.419 | 0.488 | -0.344 | 1.058 |
| | .450 | 3.438 | 0.597 | 14.027 | 0.536 | -0.224 | 1.147 |
| | .500 | 3.836 | 0.770 | 17.504 | 0.584 | -0.113 | 1.243 |
| | .550 | 4.280 | 0.974 | 22.270 | 0.631 | -0.011 | 1.348 |
| | .600 | 4.785 | 1.212 | 29.013 | 0.680 | 0.083 | 1.463 |
| | .650 | 5.369 | 1.489 | 38.905 | 0.730 | 0.173 | 1.590 |
| | .700 | 6.061 | 1.813 | 54.090 | 0.783 | 0.258 | 1.733 |
| | .750 | 6.910 | 2.196 | 78.806 | 0.839 | 0.342 | 1.897 |
| | .800 | 7.994 | 2.660 | 122.443 | 0.903 | 0.425 | 2.088 |
| | .850 | 9.475 | 3.249 | 209.490 | 0.977 | 0.512 | 2.321 |
| | .900 | 11.735 | 4.066 | 423.250 | 1.069 | 0.609 | 2.627 |
| | .910 | 12.357 | 4.276 | 503.463 | 1.092 | 0.631 | 2.702 |
| | .920 | 13.070 | 4.511 | 608.758 | 1.116 | 0.654 | 2.784 |
| | | 13.902 | 4.777 | 751.263 | 1.143 | 0.679 | 2.876 |
| | | 14.894 | 5.084 | 951.824 | 1.173 | 0.706 | 2.979 |
| | | 16.112 | 5.447 | 1249.178 | 1.207 | 0.736 | 3.097 |
| | | 17.671 | 5.893 | 1723.404 | 1.247 | 0.770 | 3.236 |
| | | 19.795 | 6.471 | 2567.826 | 1.297 | 0.811 | 3.410 |



4. Hasil Analisis Probit LT_{50} Dan LT_{90} Pada Konsentrasi 2.5%

| Confidence Limits | | | | | | | |
|---------------------|-------------|-------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for JAM | | | 95% Confidence Limits for $\log(JAM)^b$ | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT ^a | .010 | 2.334 | | | 0.368 | | |
| | .020 | 2.404 | | | 0.381 | | |
| | .030 | 2.450 | | | 0.389 | | |
| | .040 | 2.485 | | | 0.395 | | |
| | .050 | 2.514 | | | 0.400 | | |
| | .060 | 2.539 | | | 0.405 | | |
| | .070 | 2.561 | | | 0.408 | | |
| | .080 | 2.580 | | | 0.412 | | |
| | .090 | 2.598 | | | 0.415 | | |
| | .100 | 2.615 | | | 0.418 | | |
| | .150 | 2.686 | | | 0.429 | | |
| | .200 | 2.744 | | | 0.438 | | |
| | .250 | 2.794 | | | 0.446 | | |
| | .300 | 2.840 | | | 0.453 | | |
| | .350 | 2.883 | | | 0.460 | | |
| | .400 | 2.925 | | | 0.466 | | |
| | .450 | 2.966 | | | 0.472 | | |
| | .500 | 3.007 | | | 0.478 | | |
| | .550 | 3.048 | | | 0.484 | | |
| | .600 | 3.091 | | | 0.490 | | |
| | .650 | 3.136 | | | 0.496 | | |
| | .700 | 3.184 | | | 0.503 | | |
| | .750 | 3.236 | | | 0.510 | | |
| | .800 | 3.296 | | | 0.518 | | |
| | .850 | 3.366 | | | 0.527 | | |
| | .900 | 3.457 | | | 0.539 | | |
| | .910 | 3.480 | | | 0.542 | | |
| | .920 | 3.504 | | | 0.545 | | |
| | | 3.531 | | | 0.548 | | |
| | | 3.562 | | | 0.552 | | |
| | | 3.597 | | | 0.556 | | |



5. Hasil Analisis Probit LT_{50} Dan LT_{90} Pada Konsentrasi 3%

| Confidence Limits | | | | | | | |
|-------------------|-------------|-------------------------------|-------------|-------------|---|-------------|-------------|
| | Probability | 95% Confidence Limits for JAM | | | 95% Confidence Limits for $\log(JAM)^a$ | | |
| | | Estimate | Lower Bound | Upper Bound | Estimate | Lower Bound | Upper Bound |
| PROBIT | .010 | 1.199 | 0.596 | 1.594 | 0.079 | -0.225 | 0.203 |
| | .020 | 1.297 | 0.684 | 1.686 | 0.113 | -0.165 | 0.227 |
| | .030 | 1.364 | 0.747 | 1.748 | 0.135 | -0.127 | 0.243 |
| | .040 | 1.416 | 0.797 | 1.796 | 0.151 | -0.098 | 0.254 |
| | .050 | 1.460 | 0.841 | 1.836 | 0.164 | -0.075 | 0.264 |
| | .060 | 1.498 | 0.880 | 1.871 | 0.176 | -0.056 | 0.272 |
| | .070 | 1.533 | 0.915 | 1.902 | 0.185 | -0.038 | 0.279 |
| | .080 | 1.564 | 0.948 | 1.931 | 0.194 | -0.023 | 0.286 |
| | .090 | 1.594 | 0.979 | 1.957 | 0.202 | -0.009 | 0.292 |
| | .100 | 1.621 | 1.009 | 1.982 | 0.210 | 0.004 | 0.297 |
| | .150 | 1.740 | 1.140 | 2.088 | 0.240 | 0.057 | 0.320 |
| | .200 | 1.840 | 1.255 | 2.178 | 0.265 | 0.099 | 0.338 |
| | .250 | 1.931 | 1.363 | 2.259 | 0.286 | 0.135 | 0.354 |
| | .300 | 2.017 | 1.467 | 2.336 | 0.305 | 0.166 | 0.368 |
| | .350 | 2.099 | 1.569 | 2.411 | 0.322 | 0.196 | 0.382 |
| | .400 | 2.181 | 1.672 | 2.486 | 0.339 | 0.223 | 0.395 |
| | .450 | 2.262 | 1.776 | 2.562 | 0.355 | 0.249 | 0.409 |
| | .500 | 2.346 | 1.883 | 2.643 | 0.370 | 0.275 | 0.422 |
| | .550 | 2.432 | 1.994 | 2.729 | 0.386 | 0.300 | 0.436 |
| | .600 | 2.524 | 2.111 | 2.824 | 0.402 | 0.324 | 0.451 |
| | .650 | 2.622 | 2.233 | 2.931 | 0.419 | 0.349 | 0.467 |
| | .700 | 2.729 | 2.364 | 3.057 | 0.436 | 0.374 | 0.485 |
| | .750 | 2.850 | 2.504 | 3.212 | 0.455 | 0.399 | 0.507 |
| | .800 | 2.990 | 2.656 | 3.410 | 0.476 | 0.424 | 0.533 |
| | .850 | 3.163 | 2.827 | 3.680 | 0.500 | 0.451 | 0.566 |
| | .900 | 3.395 | 3.032 | 4.086 | 0.531 | 0.482 | 0.611 |
| | .910 | 3.453 | 3.080 | 4.195 | 0.538 | 0.489 | 0.623 |
| | .920 | 3.518 | 3.132 | 4.319 | 0.546 | 0.496 | 0.635 |
| | | 3.590 | 3.189 | 4.461 | 0.555 | 0.504 | 0.649 |
| | | 3.673 | 3.252 | 4.627 | 0.565 | 0.512 | 0.665 |
| | | 3.770 | 3.324 | 4.826 | 0.576 | 0.522 | 0.684 |
| | | 3.886 | 3.408 | 5.075 | 0.590 | 0.533 | 0.705 |
| | | 4.035 | 3.513 | 5.402 | 0.606 | 0.546 | 0.733 |



Tabel Lampiran 5. Presentase Repellensi *Aphis gossypii*

Tabel Hasil Uji Repellensi

| Konsentrasi | Ulangan | | | | | Rata-rata |
|-------------|---------|------|-------|------|-------|-----------|
| | 1 | 2 | 3 | 4 | 5 | |
| 0.25% | 25.0 | 50 | 33.3 | 85.7 | 25.0 | 43.8 |
| 1% | 50.0 | 66.7 | 33.3 | 40.0 | 57.1 | 49.4 |
| 1.50% | 25.0 | 75.0 | 40.0 | 77.7 | 71.4 | 57.8 |
| 2.50% | 80.0 | 80.0 | 75.0 | 50.0 | 75.0 | 72.0 |
| 3% | 87.5 | 88.8 | 100.0 | 50.0 | 83.33 | 81.9 |

Tabel Lampiran 6. Presentase Mortalitas *Aphis gossypii* dengan Penyemprotan Berbeda

| Perlakuan | Ulangan | Mortalitas % (jam) | | | | | | | Total | Rata-rata |
|-------------------------------|---------|--------------------|----|----|-----|-----|-----|-----|-------|-----------|
| | | 1 | 2 | 3 | 4 | 24 | 48 | 72 | | |
| Kontrol | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| Penyemprotan Pada Serangga 3% | 1 | 30 | 60 | 80 | 100 | 100 | 100 | 100 | 570 | 81.42 |
| | 2 | 30 | 70 | 90 | 100 | 100 | 100 | 100 | 590 | 84.28 |
| | 3 | 40 | 60 | 80 | 80 | 90 | 90 | 100 | 540 | 77.14 |
| | 4 | 20 | 40 | 50 | 60 | 80 | 90 | 100 | 440 | 62.85 |
| | 5 | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 430 | 61.42 |
| Penyemprtan Pada Tanaman 3% | 1 | 20 | 30 | 30 | 30 | 50 | 70 | 80 | 310 | 44.28 |
| | 2 | 10 | 30 | 20 | 20 | 50 | 70 | 70 | 270 | 38.57 |
| | 3 | 20 | 50 | 50 | 90 | 100 | 100 | 100 | 510 | 72.85 |
| | 4 | 10 | 30 | 30 | 30 | 40 | 40 | 60 | 240 | 34.28 |
| | 5 | 10 | 20 | 20 | 20 | 50 | 50 | 50 | 220 | 31.42 |



Tabel Lampiran 7. Sidik Ragam Mortalitas *Aphis gossypii* Dengan Penyemprotan Berbeda

1. Sidik Ragam Pengamatan 1 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|-------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 2 | 22.53 | 11.27 | 42.25 | 3.89 | 6.93 | ** |
| GALAT | 12 | 3.20 | 0.27 | | | | |
| TOTAL | 14 | 25.73 | | | | | |

2. Sidik Ragam Pengamatan 2 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|-------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 2 | 73.73 | 36.87 | 36.87 | 3.89 | 6.93 | ** |
| GALAT | 12 | 12.00 | 1.00 | | | | |
| TOTAL | 14 | 85.73 | | | | | |

3. Sidik Ragam Pengamatan 3 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 2 | 123.33 | 61.67 | 37.00 | 3.89 | 6.93 | ** |
| GALAT | 12 | 20.00 | 1.67 | | | | |
| TOTAL | 14 | 143.3 | | | | | |

4. Sidik Ragam Pengamatan 4 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|-------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 2 | 160.13 | 80.07 | 18.91 | 3.89 | 6.93 | ** |
| GALAT | 12 | 50.80 | 4.23 | | | | |
| TOTAL | 14 | 210.93 | | | | | |

5. Sidik Ragam Pengamatan 24 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|----|----|--------|--------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| | 2 | 200.13 | 100.07 | 40.57 | 3.89 | 6.93 | ** |
| | 12 | 29.6 | 2.47 | | | | |
| | 14 | 229.73 | | | | | |



6. Sidik Ragam Pengamatan 48 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|--------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 2 | 224.93 | 112.47 | 56.23 | 3.89 | 6.93 | ** |
| GALAT | 12 | 24.00 | 2.00 | | | | |
| TOTAL | 14 | 248.93 | | | | | |

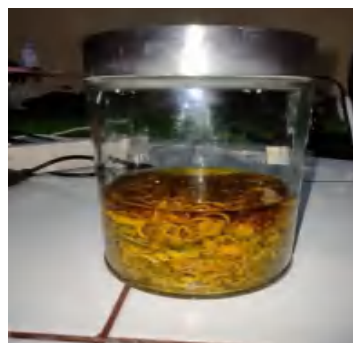
7. Sidik Ragam Pengamatan 72 Jam

| SK | DB | JK | KT | FHIT | FTAB | | KET |
|-----------|----|--------|--------|-------|------|------|-----|
| | | | | | 0.05 | 0.01 | |
| PERLAKUAN | 2 | 230.80 | 115.40 | 82.43 | 3.89 | 6.93 | ** |
| GALAT | 12 | 16.80 | 1.40 | | | | |
| TOTAL | 14 | 247.60 | | | | | |

Lampiran Gambar 1. Pembuatan Ekstrak Kulit Jeruk



Gambar 4 Memotong kulit jeruk



Gambar 5. Perendaman kulit jeruk dengan etanol 96%



Gambar 6. Memisahkan bahan ekstrak dan pelarut n rotavapor



Gambar 7. Menguapkan pelarut dan kadar air pada ekstrak menggunakan waterbath





Gambar 8. Ekstrak kulit jeruk manis

Lampiran Gambar 2. Persiapan Penanaman Cabai



Gambar 9. Penyemaian bibit cabai



Gambar 10 . Pindah tanam cabai

Lampiran Gambar 3. Perbanyakkan *Aphis gossypii*



asukkan imago *Aphis* aman perbanyakkan



Gambar 12. Menyungkup tanaman perbanyakkan



Lampiran Gambar 4. Pengamatan Mortalitas Pengujian Pada Daun



Gambar 13. Meletakkan *Aphis Gossypii*



Gambar 14. Penyemprotan Ekstrak Pada Daun

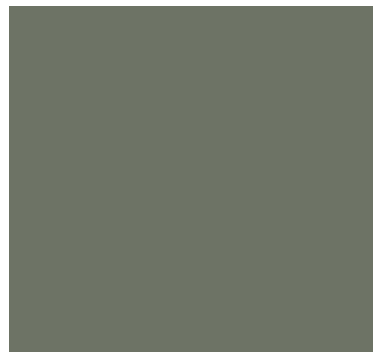


Gambar 15. Pengamatan Mortalitas *Aphis Gossypii*

Lampiran Gambar 5. Pengamatan Uji Refelensi



elupan Daun Cabai
ak Kulit Jeruk



Gambar 17. Pengamata
repellensi

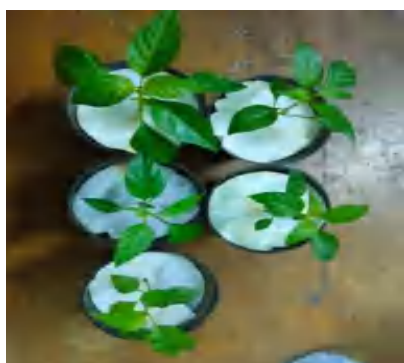
Lampiran Gambar 6. Pengamatan Mortalitas Pengujian Pada Tanaman



Gambar 18. Penyemprotan Ekstrak

Gambar 19. Pengamatan Mortalitas *Aphis Gossypii*

Lampiran Gambar 7. Pengamatan Fitotoksistas Setelah 72 Jam



Gambar 20. Pengamatan Fitotoksistas

Gambar 21. Pengamatan Fototoksistas

Lampiran Gambar 8. Pengamatan Kematian *Aphis Gossypii*



amatan 1 Jam

Gambar 23. Pengamatan 2 Jam





Gambar 24. Pengamatan 3 Jam



Gambar 25. Pengamatan 4 Jam



Gambar 26. Pengamatan 24 Jam



Gambar 27. Pengamatan 48 Jam



Gambar 28. Pengamatan 72 Jam

