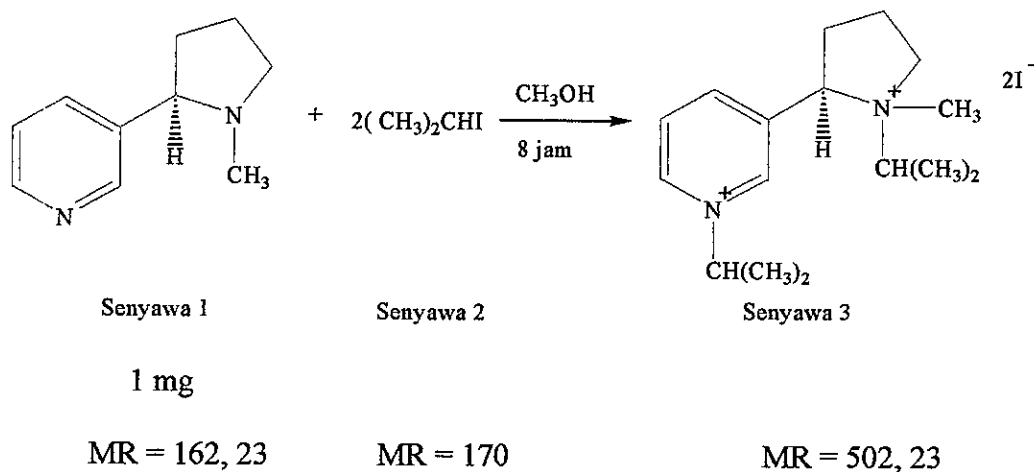


Lampiran A. Perhitungan stoikiometri reaksi

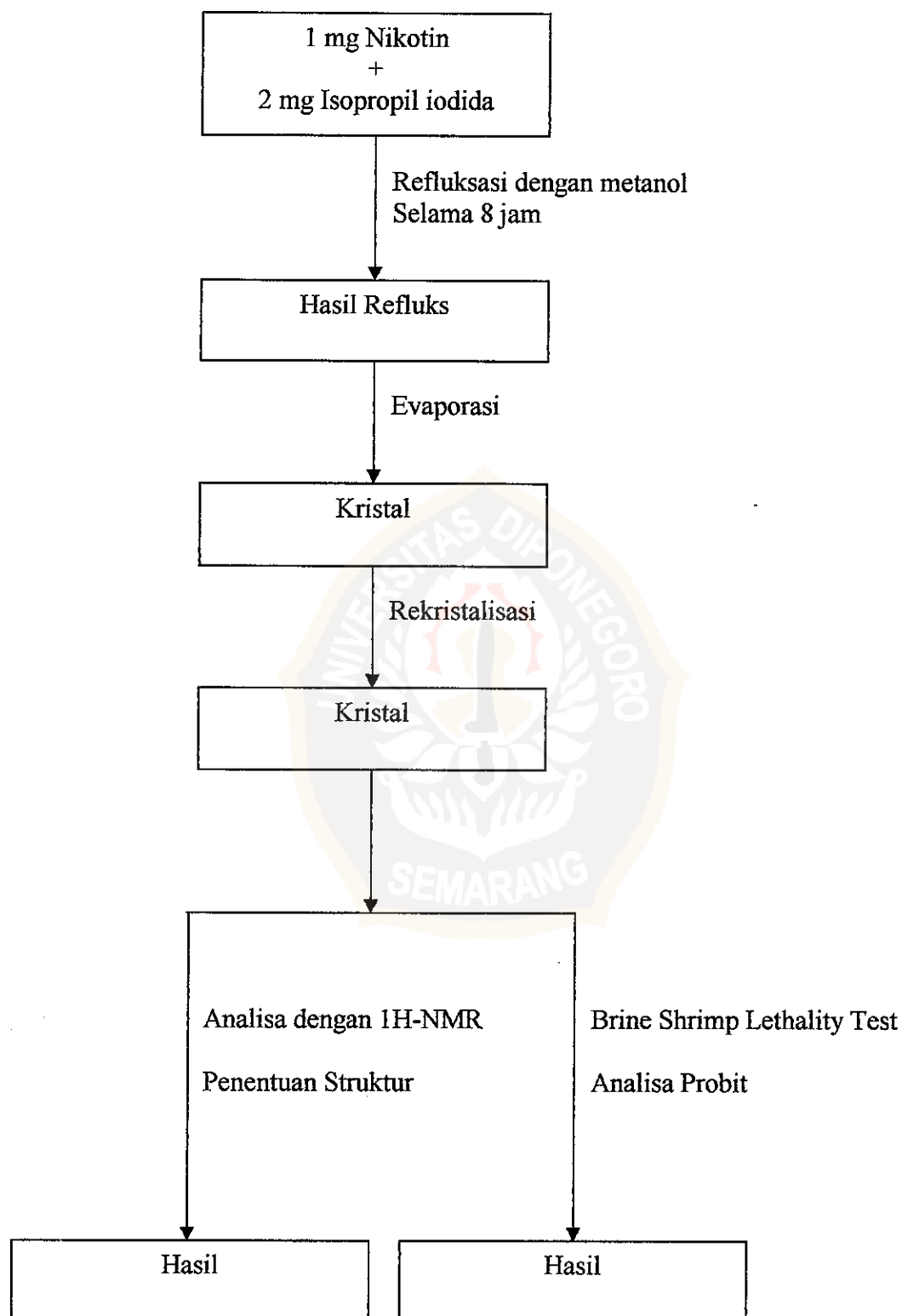
Reaksi



Garam yang dihasilkan (teoritis) = 0,003 gram

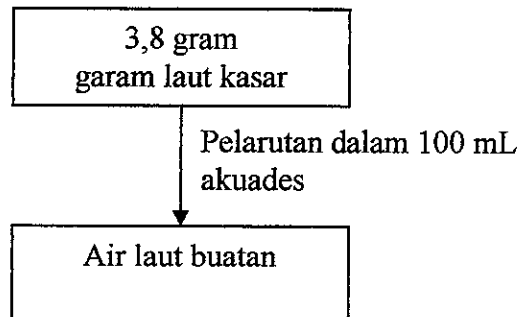
Garam yang dihasilkan = 0,0025 gram

Rendemen hasil = $\frac{0,0025}{0,003} \times 100\% = 84\%$

Lampiran B. Skema kerja sintesis garam

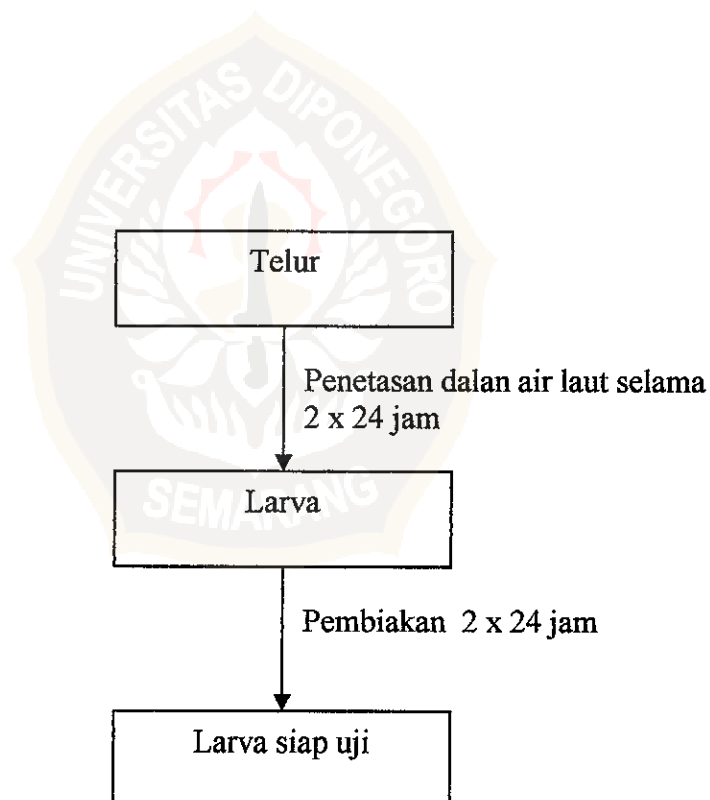
Lampiran C. Skema kerja uji aktivitas (Brine Shrimp Lethality Test)

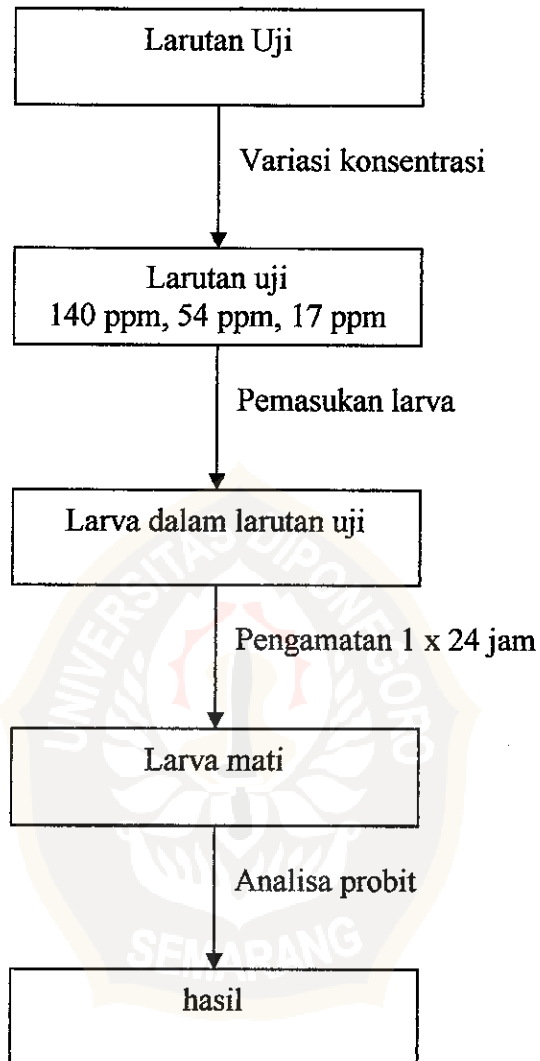
Pembuatan media tumbuh udang



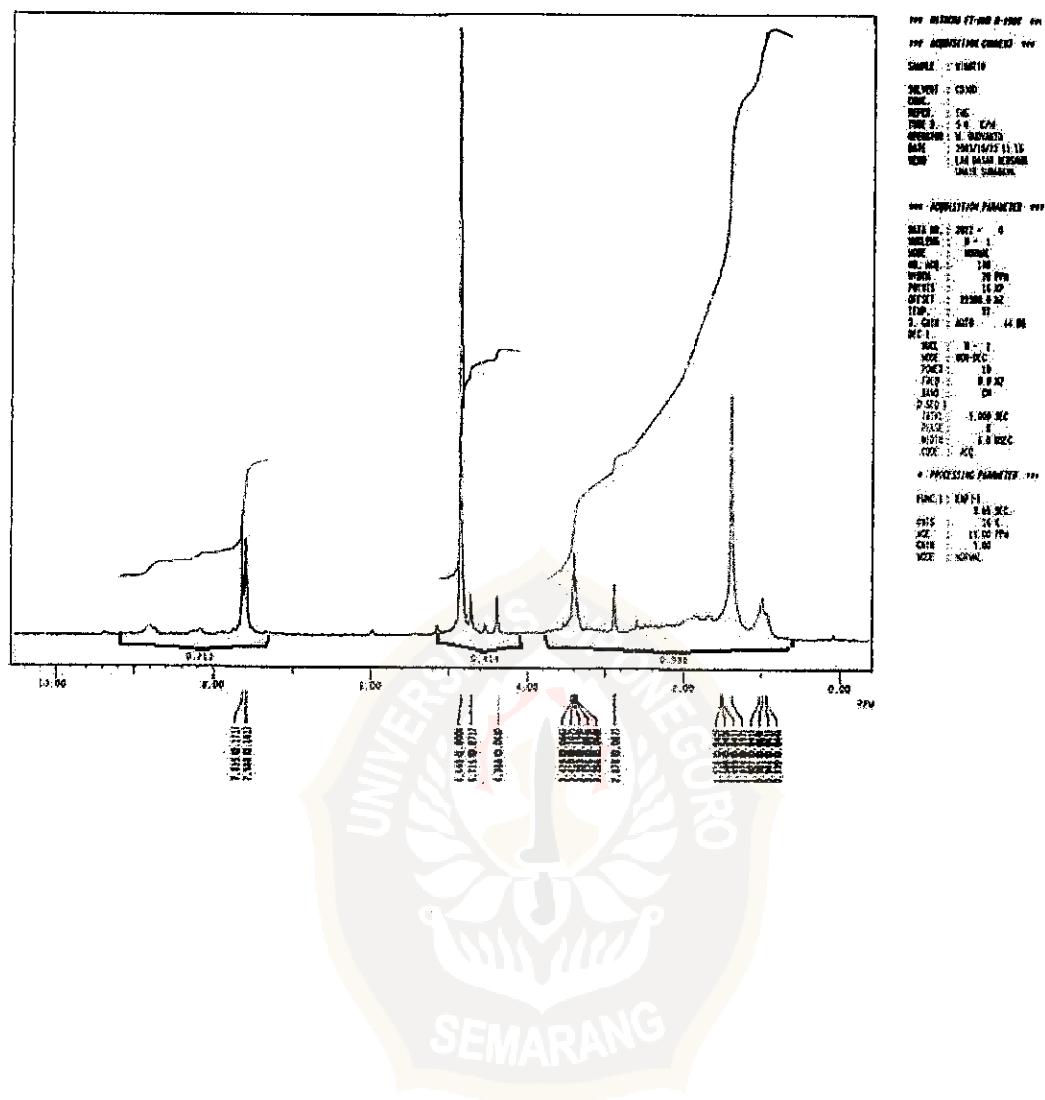
NB: Dibuat sesuai keperluan

Penetasan Telur

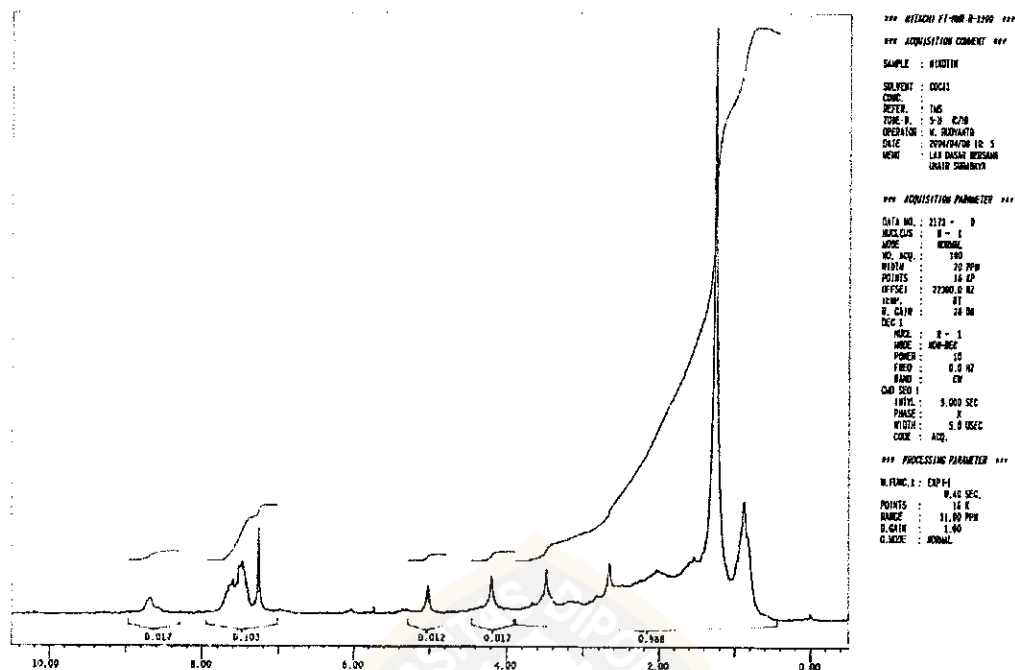


Lampiran C (lanjutan)**Uji aktivitas**

Lampiran D. Spektra NMR senyawa 3 dengan pelarut CD₃OD



Lampiran E. Spektra NMR senyawa 3 dengan pelarut CDCl_3 .



Lampiran F. Hasil analisa probit nikotin murni Hasil Brine Shrimp Lethality

Test

▪ Nikotin

| Trial No | Dose | No Tested | No Dead | Mortal % | Mort. (Crrct) | Log Dose | Observ. Probit | Working probit |
|----------|------|-----------|---------|----------|---------------|----------|----------------|----------------|
| 1 | 140 | 30 | 13 | 43.33 | 43.333 | 2.146 | 4.82 | 4.8293 |
| 2 | 54 | 30 | 8 | 26.67 | 26.667 | 1.732 | 4.41 | 4.3800 |
| 3 | 17 | 30 | 4 | 13.33 | 13.333 | 1.230 | 3.92 | 3.8920 |

Slope Value : 1.026099 Std Err Slope : 3.410129E-02

Chi-Square : 7.23505E-03 Degrees Freed : 1

| | LD Value | Upper FID Lmt | Lower FID Lmt |
|----------|----------|---------------|---------------|
| LD 50 | 209.119 | 669.8526 | 65.27975 |
| LD 90 | 3696.762 | 94153.28 | 145.1468 |
| LD 95 | 8292.099 | 388098.2 | 177.1688 |
| LD 99 | 39004.44 | 5900850 | 257.8182 |
| LD 99.9 | 214675.9 | 1.18891E+08 | 387.6293 |
| LD 99.99 | 882589.6 | 1.436361E+09 | 542.3178 |

Lampiran G. Hasil analisa probit senyawa 3 Hasil Brine Shrimp Lethality

Test

- Garam N-1,8 Diisopropil Nikotinium Iodida

| Trial No | Dose | No Tested | No Dead | Mortal % | Mort. (Crret) | Log Dose | Observ. Probit | Working probit |
|----------|------|-----------|---------|----------|---------------|----------|----------------|----------------|
| 1 | 140 | 30 | 2 | 6.67 | 6.667 | 2.146 | 3.52 | 3.4947 |
| 2 | 54 | 30 | 1 | 3.33 | 3.333 | 1.732 | 3.12 | 3.1680 |
| 3 | 17 | 30 | 0 | 0.00 | 0.000 | 1.230 | 2.6 | 2.2300 |

Slope Value : 1.25242

Std Err Slope : 0.3368758

Chi-Square : 0.1648278

Degrees Freed : 1

| | LD Value | Upper FID Lmt | Lower FID Lmt |
|----------|----------|---------------|---------------|
| LD 50 | 2049.016 | 155878 | 26.93432 |
| LD 90 | 21555.95 | 3.335591E+07 | 13.93033 |
| LD 95 | 41784.03 | 1.517399E+08 | 11.5059 |
| LD 99 | 148574.3 | 2.77639E+09 | 7.950727 |
| LD 99.9 | 600854.1 | 6.842677E+10 | 5.276087 |
| LD 99.99 | 1913355 | 9.762329E+11 | 3.750058 |