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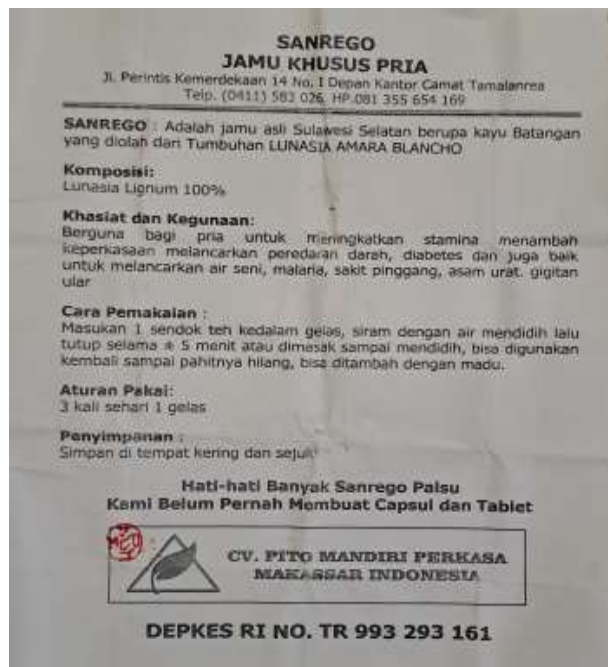
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## LAMPIRAN

### 1. Produk kayu sanrego



a. Kemasan Kayu sanrego



b. Komposisi kayu sanrego

## 2. Pembuatan Infusa kayu sanrego



(a) Penimbangan dosis ; (b) Pembagian dalam plastik klip



(c). Pengukuran air 100 ml ; (d) Perebusan kayu sanrego dengan suhu 90°C, kemudian diangkat dan diamkan selama 15 menit



(e) Infusa kayu sanrego dimasukan kedalam botol sebagai stock dan siap digunakan

### 3. Pembagian kelompok pada mencit



Pembagian kelompok mencit sesuai dengan dosis perlakuan

**DATA PENELITIAN****Motilitas (%)**

| <b>Perlakuan</b> | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b> | <b>V</b> | <b>VI</b> | <b>Rata-rata</b> | <b>SD</b> |
|------------------|----------|-----------|------------|-----------|----------|-----------|------------------|-----------|
| P0               | 65,2     | 50        | 52,1       | 60        | 57,1     | 54,5      | 56,48333         | 5,548123  |
| P1               | 79,3     | 77,7      | 84,3       | 73,07     | 65,3     | 63,3      | 73,82833         | 8,230894  |
| P2               | 63,6     | 61,1      | 78,5       | 72,1      | 64,8     | 68,4      | 68,08333         | 6,393564  |
| P3               | 76,7     | 71,1      | 78         | 74,4      | 75       | 61,2      | 72,73333         | 6,116753  |
|                  |          |           |            |           |          |           |                  |           |

**Morfologi Abnormalitas (%)**

| <b>Perlakuan</b> | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b> | <b>V</b> | <b>VI</b> | <b>Rata-rata</b> | <b>SD</b> |
|------------------|----------|-----------|------------|-----------|----------|-----------|------------------|-----------|
| P0               | 70,5     | 57,8      | 76,1       | 60,8      | 47,05    | 66,6      | 63,14167         | 10,26628  |
| P1               | 50       | 45,8      | 29,1       | 31,8      | 32       | 48,2      | 39,48333         | 9,47975   |
| P2               | 30,4     | 15,7      | 33,3       | 40,6      | 17,3     | 13,7      | 25,16667         | 11,08795  |
| P3               | 31,2     | 26,4      | 22,8       | 11,7      | 24,4     | 25        | 23,58333         | 6,487655  |
|                  |          |           |            |           |          |           |                  |           |

**Jumlah Spermatozoa (Juta/ml)**

| <b>Perlakuan</b> | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b> | <b>V</b> | <b>VI</b> | <b>Rata-rata</b> | <b>SD</b> |
|------------------|----------|-----------|------------|-----------|----------|-----------|------------------|-----------|
| P0               | 2,0      | 2,1       | 2,4        | 2,6       | 2,5      | 2,4       | 2,33333          | 0,233809  |
| P1               | 2,8      | 2,7       | 3,1        | 2,6       | 3,0      | 3,5       | 2,95             | 0,327109  |
| P2               | 3,4      | 3,5       | 4,1        | 4,0       | 3,8      | 4,1       | 3,81666          | 0,30605   |
| P3               | 4,2      | 4,4       | 4,6        | 4,5       | 4,9      | 5,0       | 4,60             | 0,303315  |

## UJI NORMALITAS

|           |           | Tests of Normality              |    |                   |              |    |      |
|-----------|-----------|---------------------------------|----|-------------------|--------------|----|------|
|           |           | Kolmogorov-Smirnov <sup>a</sup> |    |                   | Shapiro-Wilk |    |      |
|           | Perlakuan | Statistic                       | df | Sig.              | Statistic    | df | Sig. |
| Motilitas | p0        | .140                            | 6  | .200 <sup>*</sup> | .970         | 6  | .894 |
|           | p1        | .181                            | 6  | .200 <sup>*</sup> | .915         | 6  | .469 |
|           | p2        | .196                            | 6  | .200 <sup>*</sup> | .944         | 6  | .693 |
|           | p3        | .274                            | 6  | .179              | .825         | 6  | .098 |
| Morfologi | p0        | .135                            | 6  | .200 <sup>*</sup> | .983         | 6  | .964 |
|           | p1        | .234                            | 6  | .200 <sup>*</sup> | .917         | 6  | .481 |
|           | p2        | .261                            | 6  | .200 <sup>*</sup> | .890         | 6  | .319 |
|           | p3        | .285                            | 6  | .138              | .879         | 6  | .265 |

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

a. Lilliefors Significance Correction

### Jumlah Spermatozoa

|                    |           | Tests of Normality              |    |                   |              |    |      |
|--------------------|-----------|---------------------------------|----|-------------------|--------------|----|------|
|                    |           | Kolmogorov-Smirnov <sup>a</sup> |    |                   | Shapiro-Wilk |    |      |
|                    | Perlakuan | Statistic                       | df | Sig.              | Statistic    | df | Sig. |
| Jumlah Spermatozoa | p0        | .279                            | 6  | .159              | .908         | 6  | .421 |
|                    | p1        | .177                            | 6  | .200 <sup>*</sup> | .939         | 6  | .648 |
|                    | p2        | .225                            | 6  | .200 <sup>*</sup> | .864         | 6  | .204 |
|                    | p3        | .172                            | 6  | .200 <sup>*</sup> | .957         | 6  | .798 |

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

a. Lilliefors Significance Correction



## UJI HOMOGENITAS

### Test of Homogeneity of Variances

|           |   | Levene Statistic | df1 | df2    | Sig. |
|-----------|---|------------------|-----|--------|------|
| Morfologi | Based on Mean                           | 1.130            | 3   | 20     | .361 |
|           | Based on Median                         | 1.181            | 3   | 20     | .342 |
|           | Based on Median and<br>with adjusted df | 1.181            | 3   | 12.143 | .358 |
|           | Based on trimmed mean                   | 1.169            | 3   | 20     | .346 |
| Motilitas | Based on Mean                           | 1.554            | 3   | 20     | .232 |
|           | Based on Median                         | 1.426            | 3   | 20     | .265 |
|           | Based on Median and<br>with adjusted df | 1.426            | 3   | 15.480 | .273 |
|           | Based on trimmed mean                   | 1.551            | 3   | 20     | .232 |

### Jumlah Spermatozoa

#### Test of Homogeneity of Variances

|                    |   | Levene Statistic | df1 | df2    | Sig. |
|--------------------|---|------------------|-----|--------|------|
| Jumlah Spermatozoa | Based on Mean                           | .224             | 3   | 20     | .878 |
|                    | Based on Median                         | .319             | 3   | 20     | .811 |
|                    | Based on Median and<br>with adjusted df | .319             | 3   | 19.749 | .811 |
|                    | Based on trimmed mean                   | .232             | 3   | 20     | .873 |

**ANOVA****ANOVA**

|           |                | Sum of Squares | df | Mean Square | F      | Sig. |
|-----------|----------------|----------------|----|-------------|--------|------|
| Morfologi | Between Groups | 6371.611       | 3  | 2123.870    | 16.855 | .000 |
|           | Within Groups  | 2520.139       | 20 | 126.007     |        |      |
|           | Total          | 8891.750       | 23 |             |        |      |
| Motilitas | Between Groups | 859.617        | 3  | 286.539     | 4.736  | .012 |
|           | Within Groups  | 1210.148       | 20 | 60.507      |        |      |
|           | Total          | 2069.765       | 23 |             |        |      |

**Jumlah Spermatozoa****ANOVA**

|                | Sum of Squares     | df | Mean Square       | F      | Sig. |
|----------------|--------------------|----|-------------------|--------|------|
| Between Groups | 17708333333333.330 | 3  | 5902777777777.776 | 67.978 | .000 |
| Within Groups  | 1736666666666.667  | 20 | 86833333333.333   |        |      |
| Total          | 1944499999999.996  | 23 |                   |        |      |

**POST HOC LSD**  
**Multiple Comparisons**

LSD

| Dependent Variable | (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |             |
|--------------------|---------------|---------------|-----------------------|------------|------|-------------------------|-------------|
|                    |               |               |                       |            |      | Lower Bound             | Upper Bound |
| Morfologi          | p0            | p1            | 16.99167*             | 6.48092    | .016 | 3.4727                  | 30.5106     |
|                    |               | p2            | 37.97500*             | 6.48092    | .000 | 24.4560                 | 51.4940     |
|                    |               | p3            | 39.55833*             | 6.48092    | .000 | 26.0394                 | 53.0773     |
|                    | p1            | p0            | -16.99167*            | 6.48092    | .016 | -30.5106                | -3.4727     |
|                    |               | p2            | 20.98333*             | 6.48092    | .004 | 7.4644                  | 34.5023     |
|                    |               | p3            | 22.56667*             | 6.48092    | .002 | 9.0477                  | 36.0856     |
|                    | p2            | p0            | -37.97500*            | 6.48092    | .000 | -51.4940                | -24.4560    |
|                    |               | p1            | -20.98333*            | 6.48092    | .004 | -34.5023                | -7.4644     |
|                    |               | p3            | 1.58333               | 6.48092    | .809 | -11.9356                | 15.1023     |
|                    | p3            | p0            | -39.55833*            | 6.48092    | .000 | -53.0773                | -26.0394    |
|                    |               | p1            | -22.56667*            | 6.48092    | .002 | -36.0856                | -9.0477     |
|                    |               | p2            | -1.58333              | 6.48092    | .809 | -15.1023                | 11.9356     |
| Motilitas          | p0            | p1            | -11.34500*            | 4.49101    | .020 | -20.7131                | -1.9769     |
|                    |               | p2            | -11.60000*            | 4.49101    | .018 | -20.9681                | -2.2319     |
|                    |               | p3            | -16.25000*            | 4.49101    | .002 | -25.6181                | -6.8819     |
|                    | p1            | p0            | 11.34500*             | 4.49101    | .020 | 1.9769                  | 20.7131     |
|                    |               | p2            | -.25500               | 4.49101    | .955 | -9.6231                 | 9.1131      |
|                    |               | p3            | -4.90500              | 4.49101    | .288 | -14.2731                | 4.4631      |
|                    | p2            | p0            | 11.60000*             | 4.49101    | .018 | 2.2319                  | 20.9681     |
|                    |               | p1            | .25500                | 4.49101    | .955 | -9.1131                 | 9.6231      |
|                    |               | p3            | -4.65000              | 4.49101    | .313 | -14.0181                | 4.7181      |
|                    | p3            | p0            | 16.25000*             | 4.49101    | .002 | 6.8819                  | 25.6181     |
|                    |               | p1            | 4.90500               | 4.49101    | .288 | -4.4631                 | 14.2731     |
|                    |               | p2            | 4.65000               | 4.49101    | .313 | -4.7181                 | 14.0181     |

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

**Jumlah Spermatozoa**

|     |    |    |                 |              |      |               |               |
|-----|----|----|-----------------|--------------|------|---------------|---------------|
| LSD | p0 | p1 | -616666.66667*  | 170130.66874 | .002 | -971553.0229  | -261780.3104  |
|     |    | p2 | -1483333.33333* | 170130.66874 | .000 | -1838219.6896 | -1128446.9771 |
|     |    | p3 | -2266666.66667* | 170130.66874 | .000 | -2621553.0229 | -1911780.3104 |
|     | p1 | p0 | 616666.66667*   | 170130.66874 | .002 | 261780.3104   | 971553.0229   |
|     |    | p2 | -866666.66667*  | 170130.66874 | .000 | -1221553.0229 | -511780.3104  |
|     |    | p3 | -1650000.00000* | 170130.66874 | .000 | -2004886.3562 | -1295113.6438 |
|     | p2 | p0 | 1483333.33333*  | 170130.66874 | .000 | 1128446.9771  | 1838219.6896  |
|     |    | p1 | 866666.66667*   | 170130.66874 | .000 | 511780.3104   | 1221553.0229  |
|     |    | p3 | -783333.33333*  | 170130.66874 | .000 | -1138219.6896 | -428446.9771  |
|     | p3 | p0 | 2266666.66667*  | 170130.66874 | .000 | 1911780.3104  | 2621553.0229  |
|     |    | p1 | 1650000.00000*  | 170130.66874 | .000 | 1295113.6438  | 2004886.3562  |
|     |    | p2 | 783333.33333*   | 170130.66874 | .000 | 428446.9771   | 1138219.6896  |