

## Daftar Pustaka

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## LAMPIRAN-LAMPIRAN

### A. Surat Rekomendasi Persetujuan Komisi Etik



**REKOMENDASI PERETUJUAN ETIK**  
 Nomor: 0022/PL.09/KEPK FKG-RSGM UNHAS/2023

Tanggal: 06 Februari 2023

Dengan ini menyatakan bahwa protokol dan dokumen yang berhubungan dengan protokol berikut ini telah mendapatkan persetujuan etik:

|                                   |  |   |                           |
|-----------------------------------|--|---|---------------------------|
| No. Protokol                      | UH 17120761  | No Protokol Sponsor                               |                           |
| Peneliti Utama                    | drg. Febrianty Alexes Siampa   | Sponsor   | Pribadi                   |
| Judul Peneliti                    | Ekspresi <i>Osteonectin</i> Setelah Aplikasi Pasta Cangkang Telur Ayam Ras ( <i>Gallus Sp</i> ) pada Pulpa Gigi Kelinci ( <i>Oryctolagus Cuniculus</i> ) yang Terinflamasi   |   |                           |
| No. Versi Protokol                | 1  | Tanggal Versi                                     | 24 Januari 2023           |
| No. Versi Protokol                |  | Tanggal Versi                                     |                           |
| Tempat Penelitian                 | 1. Laboratorium STIFA Makassar.<br>2. Klinik Kedokteran Hewan fakultaskedokteran Universitas Hasanuddin Makassar.<br>3. Laboratorium Dental Fakultas Kedokteran Gigi Universitas Hasanuddin Makassar.<br>4. Laboratorium Patologi Anatomi Rumah Sakit Pendidikan Universitas Hasanuddin Makassar.<br>5. Laboratorium Biokimia Biomolekuler Fakultas Kedokteran Universitas Brawijaya Malang. |   |                           |
| Dokumen Lain                      |  |   |                           |
| Jenis Review                      | <input type="checkbox"/> Exempted<br><input checked="" type="checkbox"/> Expedited<br><input type="checkbox"/> Fullboard   | Masa Berlaku<br>06 Februari 2023-06 Februari 2024 | Frekuensi Review Lanjutan |
| Ketua Komisi Etik Penelitian      | Nama:<br>Dr. drg. Marhamah, M.Kes  | Tanda Tangan<br>                                  | Tanggal                   |
| Sekretaris Komisi Etik Penelitian | Nama:<br>drg. Muhammad Ikbal, Sp.Pros  | Tanda Tangan<br>                                  | Tanggal                   |

**Kewajiban peneliti utama:**

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum diimplementasikan
- Menyerahkan laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan lapor SUSAR dalam 72 jam setelah peneliti utama menerima laporan.
- Menyerahkan laporan kemajuan (*progress report*) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah.
- Menyerahkan laporan akhir setelah penelitian berakhir.
- Melaporkan penyimpangan dari protokol yang disetujui (*protocol deviation/violation*)
- Mematuhi semua aturan yang berlaku.



## B. Hasil analisis uji statistik menggunakan SPSS 24 for windows

```
ONEWAY OSTEONECTIN BY KELOMPOK
  /STATISTICS DESCRIPTIVES HOMOGENEITY
  /MISSING ANALYSIS
  /POSTHOC=TUKEY ALPHA(0.05).
```

### Oneway

| Notes                  |                                |  |
|------------------------|--------------------------------|--|
| Output Created         |                                | 15-JUN-2022 13:38:42   |
| Comments               |                                |  |
|                        | Data                           | C:\Users\Panasonic\Documents\DATA  |
|                        | Active Dataset                 | RAHMI.sav  |
| Input                  | DataSet0                       | DataSet0   |
|                        | Filter                         | <none>   |
|                        | Weight                         | <none>   |
|                        | Split File                     | <none>   |
|                        | N of Rows in Working Data File | 48   |
|                        | Definition of Missing          | User-defined missing values are treated as missing.  |
| Missing Value Handling |                                | Statistics for each analysis are based on cases with no missing data for any variable in the analysis. |
|                        | Cases Used                     | ONEWAY OSTEONECTIN BY<br>KELOMPOK  |
| Syntax                 |                                | /STATISTICS DESCRIPTIVES<br>HOMOGENEITY<br>/MISSING ANALYSIS<br>/POSTHOC=TUKEY ALPHA(0.05).            |
| Resources              | Processor Time                 | 00:00:00,14  |
|                        | Elapsed Time                   | 00:00:00,30  |

**Descriptives**

**OSTEONECTIN**

|          | N  | Mean  | Std. Deviation | Std. Error | 95% Confidence Interval for Mean |             | Minimum | Maximum |
|----------|----|-------|----------------|------------|----------------------------------|-------------|---------|---------|
|          |    |       |                |            | Lower Bound                      | Upper Bound |         |         |
| K - (3)  | 3  | 7,00  | 2,000          | 1,155      | 2,03                             | 11,97       | 5       | 9       |
| K + (3)  | 3  | 2,67  | ,577           | ,333       | 1,23                             | 4,10        | 2       | 3       |
| P1 (3)   | 3  | 3,67  | 1,528          | ,882       | -,13                             | 7,46        | 2       | 5       |
| P2 (3)   | 3  | 4,67  | 1,528          | ,882       | ,87                              | 8,46        | 3       | 6       |
| K - (7)  | 3  | 7,67  | 1,528          | ,882       | 3,87                             | 11,46       | 6       | 9       |
| K + (7)  | 3  | 3,33  | 1,528          | ,882       | -,46                             | 7,13        | 2       | 5       |
| P1 (7)   | 3  | 7,33  | 1,528          | ,882       | 3,54                             | 11,13       | 6       | 9       |
| P2 (7)   | 3  | 9,00  | 1,000          | ,577       | 6,52                             | 11,48       | 8       | 10      |
| K - (14) | 3  | 7,33  | 1,528          | ,882       | 3,54                             | 11,13       | 6       | 9       |
| K + (14) | 3  | 3,33  | 1,528          | ,882       | -,46                             | 7,13        | 2       | 5       |
| P1 (14)  | 3  | 9,33  | 1,528          | ,882       | 5,54                             | 13,13       | 8       | 11      |
| P2 (14)  | 3  | 10,00 | 1,000          | ,577       | 7,52                             | 12,48       | 9       | 11      |
| K - (21) | 3  | 7,00  | 2,000          | 1,155      | 2,03                             | 11,97       | 5       | 9       |
| K+ (21)  | 3  | 6,67  | 2,082          | 1,202      | 1,50                             | 11,84       | 5       | 9       |
| P1 (21)  | 3  | 12,00 | 2,000          | 1,155      | 7,03                             | 16,97       | 10      | 14      |
| P2 (21)  | 3  | 13,00 | 1,000          | ,577       | 10,52                            | 15,48       | 12      | 14      |
| Total    | 48 | 7,13  | 3,272          | ,472       | 6,17                             | 8,08        | 2       | 14      |

**Test of Homogeneity of Variances**

**OSTEONECTIN**

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| ,445             | 15  | 32  | ,951 |

**ANOVA**

**OSTEONECTIN**

|                | Sum of Squares | df | Mean Square | F      | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 426,583        | 15 | 28,439      | 11,870 | ,000 |
| Within Groups  | 76,667         | 32 | 2,396       |        |      |
| Total          | 503,250        | 47 |             |        |      |

## Post Hoc Tests

### Multiple Comparisons

Dependent Variable: OSTEONECTIN

Tukey HSD

| (I) KLP | (J) KLP  | Mean Difference<br>(I-J) | Std. Error | Sig.   | 95% Confidence Interval |             |
|---------|----------|--------------------------|------------|--------|-------------------------|-------------|
|         |          |                          |            |        | Lower Bound             | Upper Bound |
| K - (3) | K + (3)  | 4,333                    | 1,264      | ,094   | -,35                    | 9,02        |
|         | P1 (3)   | 3,333                    | 1,264      | ,409   | -1,35                   | 8,02        |
|         | P2 (3)   | 2,333                    | 1,264      | ,881   | -2,35                   | 7,02        |
|         | K - (7)  | -,667                    | 1,264      | 1,000  | -5,35                   | 4,02        |
|         | K + (7)  | 3,667                    | 1,264      | ,268   | -1,02                   | 8,35        |
|         | P1 (7)   | -,333                    | 1,264      | 1,000  | -5,02                   | 4,35        |
|         | P2 (7)   | -2,000                   | 1,264      | ,960   | -6,69                   | 2,69        |
|         | K - (14) | -,333                    | 1,264      | 1,000  | -5,02                   | 4,35        |
|         | K + (14) | 3,667                    | 1,264      | ,268   | -1,02                   | 8,35        |
|         | P1 (14)  | -2,333                   | 1,264      | ,881   | -7,02                   | 2,35        |
|         | P2 (14)  | -3,000                   | 1,264      | ,578   | -7,69                   | 1,69        |
|         | K - (21) | ,000                     | 1,264      | 1,000  | -4,69                   | 4,69        |
|         | K+ (21)  | ,333                     | 1,264      | 1,000  | -4,35                   | 5,02        |
|         | P1 (21)  | -5,000*                  | 1,264      | ,027   | -9,69                   | -,31        |
| P2 (21) | -6,000*  | 1,264                    | ,003       | -10,69 | -1,31                   |             |
| K + (3) | K - (3)  | -4,333                   | 1,264      | ,094   | -9,02                   | ,35         |
|         | P1 (3)   | -1,000                   | 1,264      | 1,000  | -5,69                   | 3,69        |
|         | P2 (3)   | -2,000                   | 1,264      | ,960   | -6,69                   | 2,69        |
|         | K - (7)  | -5,000*                  | 1,264      | ,027   | -9,69                   | -,31        |
|         | K + (7)  | -,667                    | 1,264      | 1,000  | -5,35                   | 4,02        |
|         | P1 (7)   | -4,667                   | 1,264      | ,052   | -9,35                   | ,02         |
|         | P2 (7)   | -6,333*                  | 1,264      | ,002   | -11,02                  | -1,65       |
|         | K - (14) | -4,667                   | 1,264      | ,052   | -9,35                   | ,02         |
|         | K + (14) | -,667                    | 1,264      | 1,000  | -5,35                   | 4,02        |
|         | P1 (14)  | -6,667*                  | 1,264      | ,001   | -11,35                  | -1,98       |
|         | P2 (14)  | -7,333*                  | 1,264      | ,000   | -12,02                  | -2,65       |
|         | K - (21) | -4,333                   | 1,264      | ,094   | -9,02                   | ,35         |
|         | K+ (21)  | -4,000                   | 1,264      | ,164   | -8,69                   | ,69         |
|         | P1 (21)  | -9,333*                  | 1,264      | ,000   | -14,02                  | -4,65       |
| P2 (21) | -10,333* | 1,264                    | ,000       | -15,02 | -5,65                   |             |

|         |                     |                     |       |        |        |       |
|---------|---------------------|---------------------|-------|--------|--------|-------|
| P1 (3)  | K - (3)             | -3,333              | 1,264 | ,409   | -8,02  | 1,35  |
|         | K + (3)             | 1,000               | 1,264 | 1,000  | -3,69  | 5,69  |
|         | P2 (3)              | -1,000              | 1,264 | 1,000  | -5,69  | 3,69  |
|         | K - (7)             | -4,000              | 1,264 | ,164   | -8,69  | ,69   |
|         | K + (7)             | ,333                | 1,264 | 1,000  | -4,35  | 5,02  |
|         | P1 (7)              | -3,667              | 1,264 | ,268   | -8,35  | 1,02  |
|         | P2 (7)              | -5,333 <sup>+</sup> | 1,264 | ,014   | -10,02 | -,65  |
|         | K - (14)            | -3,667              | 1,264 | ,268   | -8,35  | 1,02  |
|         | K + (14)            | ,333                | 1,264 | 1,000  | -4,35  | 5,02  |
|         | P1 (14)             | -5,667 <sup>+</sup> | 1,264 | ,007   | -10,35 | -,98  |
|         | P2 (14)             | -6,333 <sup>+</sup> | 1,264 | ,002   | -11,02 | -1,65 |
|         | K - (21)            | -3,333              | 1,264 | ,409   | -8,02  | 1,35  |
|         | K+ (21)             | -3,000              | 1,264 | ,578   | -7,69  | 1,69  |
|         | P1 (21)             | -8,333 <sup>+</sup> | 1,264 | ,000   | -13,02 | -3,65 |
| P2 (21) | -9,333 <sup>+</sup> | 1,264               | ,000  | -14,02 | -4,65  |       |
| P2 (3)  | K - (3)             | -2,333              | 1,264 | ,881   | -7,02  | 2,35  |
|         | K + (3)             | 2,000               | 1,264 | ,960   | -2,69  | 6,69  |
|         | P1 (3)              | 1,000               | 1,264 | 1,000  | -3,69  | 5,69  |
|         | K - (7)             | -3,000              | 1,264 | ,578   | -7,69  | 1,69  |
|         | K + (7)             | 1,333               | 1,264 | ,999   | -3,35  | 6,02  |
|         | P1 (7)              | -2,667              | 1,264 | ,746   | -7,35  | 2,02  |
|         | P2 (7)              | -4,333              | 1,264 | ,094   | -9,02  | ,35   |
|         | K - (14)            | -2,667              | 1,264 | ,746   | -7,35  | 2,02  |
|         | K + (14)            | 1,333               | 1,264 | ,999   | -3,35  | 6,02  |
|         | P1 (14)             | -4,667              | 1,264 | ,052   | -9,35  | ,02   |
|         | P2 (14)             | -5,333 <sup>+</sup> | 1,264 | ,014   | -10,02 | -,65  |
|         | K - (21)            | -2,333              | 1,264 | ,881   | -7,02  | 2,35  |
|         | K+ (21)             | -2,000              | 1,264 | ,960   | -6,69  | 2,69  |
|         | P1 (21)             | -7,333 <sup>+</sup> | 1,264 | ,000   | -12,02 | -2,65 |
| P2 (21) | -8,333 <sup>+</sup> | 1,264               | ,000  | -13,02 | -3,65  |       |
| K - (7) | K - (3)             | ,667                | 1,264 | 1,000  | -4,02  | 5,35  |
|         | K + (3)             | 5,000 <sup>+</sup>  | 1,264 | ,027   | ,31    | 9,69  |
|         | P1 (3)              | 4,000               | 1,264 | ,164   | -,69   | 8,69  |
|         | P2 (3)              | 3,000               | 1,264 | ,578   | -1,69  | 7,69  |
|         | K + (7)             | 4,333               | 1,264 | ,094   | -,35   | 9,02  |
|         | P1 (7)              | ,333                | 1,264 | 1,000  | -4,35  | 5,02  |
|         | P2 (7)              | -1,333              | 1,264 | ,999   | -6,02  | 3,35  |
|         | K - (14)            | ,333                | 1,264 | 1,000  | -4,35  | 5,02  |
|         | K + (14)            | 4,333               | 1,264 | ,094   | -,35   | 9,02  |
|         | P1 (14)             | -1,667              | 1,264 | ,992   | -6,35  | 3,02  |

|         |          |                     |       |       |        |       |
|---------|----------|---------------------|-------|-------|--------|-------|
|         | P2 (14)  | -2,333              | 1,264 | ,881  | -7,02  | 2,35  |
|         | K - (21) | ,667                | 1,264 | 1,000 | -4,02  | 5,35  |
|         | K+ (21)  | 1,000               | 1,264 | 1,000 | -3,69  | 5,69  |
|         | P1 (21)  | -4,333              | 1,264 | ,094  | -9,02  | ,35   |
|         | P2 (21)  | -5,333 <sup>+</sup> | 1,264 | ,014  | -10,02 | -,65  |
|         | K - (3)  | -3,667              | 1,264 | ,268  | -8,35  | 1,02  |
|         | K + (3)  | ,667                | 1,264 | 1,000 | -4,02  | 5,35  |
|         | P1 (3)   | -,333               | 1,264 | 1,000 | -5,02  | 4,35  |
|         | P2 (3)   | -1,333              | 1,264 | ,999  | -6,02  | 3,35  |
|         | K - (7)  | -4,333              | 1,264 | ,094  | -9,02  | ,35   |
|         | P1 (7)   | -4,000              | 1,264 | ,164  | -8,69  | ,69   |
|         | P2 (7)   | -5,667 <sup>+</sup> | 1,264 | ,007  | -10,35 | -,98  |
| K + (7) | K - (14) | -4,000              | 1,264 | ,164  | -8,69  | ,69   |
|         | K + (14) | ,000                | 1,264 | 1,000 | -4,69  | 4,69  |
|         | P1 (14)  | -6,000 <sup>+</sup> | 1,264 | ,003  | -10,69 | -1,31 |
|         | P2 (14)  | -6,667 <sup>+</sup> | 1,264 | ,001  | -11,35 | -1,98 |
|         | K - (21) | -3,667              | 1,264 | ,268  | -8,35  | 1,02  |
|         | K+ (21)  | -3,333              | 1,264 | ,409  | -8,02  | 1,35  |
|         | P1 (21)  | -8,667 <sup>+</sup> | 1,264 | ,000  | -13,35 | -3,98 |
|         | P2 (21)  | -9,667 <sup>+</sup> | 1,264 | ,000  | -14,35 | -4,98 |
|         | K - (3)  | ,333                | 1,264 | 1,000 | -4,35  | 5,02  |
|         | K + (3)  | 4,667               | 1,264 | ,052  | -,02   | 9,35  |
|         | P1 (3)   | 3,667               | 1,264 | ,268  | -1,02  | 8,35  |
|         | P2 (3)   | 2,667               | 1,264 | ,746  | -2,02  | 7,35  |
|         | K - (7)  | -,333               | 1,264 | 1,000 | -5,02  | 4,35  |
|         | K + (7)  | 4,000               | 1,264 | ,164  | -,69   | 8,69  |
|         | P2 (7)   | -1,667              | 1,264 | ,992  | -6,35  | 3,02  |
| P1 (7)  | K - (14) | ,000                | 1,264 | 1,000 | -4,69  | 4,69  |
|         | K + (14) | 4,000               | 1,264 | ,164  | -,69   | 8,69  |
|         | P1 (14)  | -2,000              | 1,264 | ,960  | -6,69  | 2,69  |
|         | P2 (14)  | -2,667              | 1,264 | ,746  | -7,35  | 2,02  |
|         | K - (21) | ,333                | 1,264 | 1,000 | -4,35  | 5,02  |
|         | K+ (21)  | ,667                | 1,264 | 1,000 | -4,02  | 5,35  |
|         | P1 (21)  | -4,667              | 1,264 | ,052  | -9,35  | ,02   |
|         | P2 (21)  | -5,667 <sup>+</sup> | 1,264 | ,007  | -10,35 | -,98  |
|         | K - (3)  | 2,000               | 1,264 | ,960  | -2,69  | 6,69  |
|         | K + (3)  | 6,333 <sup>+</sup>  | 1,264 | ,002  | 1,65   | 11,02 |
| P2 (7)  | P1 (3)   | 5,333 <sup>+</sup>  | 1,264 | ,014  | ,65    | 10,02 |
|         | P2 (3)   | 4,333               | 1,264 | ,094  | -,35   | 9,02  |
|         | K - (7)  | 1,333               | 1,264 | ,999  | -3,35  | 6,02  |

|          |          |         |       |       |        |       |
|----------|----------|---------|-------|-------|--------|-------|
|          | K + (7)  | 5,667*  | 1,264 | ,007  | ,98    | 10,35 |
|          | P1 (7)   | 1,667   | 1,264 | ,992  | -3,02  | 6,35  |
|          | K - (14) | 1,667   | 1,264 | ,992  | -3,02  | 6,35  |
|          | K + (14) | 5,667*  | 1,264 | ,007  | ,98    | 10,35 |
|          | P1 (14)  | -,333   | 1,264 | 1,000 | -5,02  | 4,35  |
|          | P2 (14)  | -1,000  | 1,264 | 1,000 | -5,69  | 3,69  |
|          | K - (21) | 2,000   | 1,264 | ,960  | -2,69  | 6,69  |
|          | K+ (21)  | 2,333   | 1,264 | ,881  | -2,35  | 7,02  |
|          | P1 (21)  | -3,000  | 1,264 | ,578  | -7,69  | 1,69  |
|          | P2 (21)  | -4,000  | 1,264 | ,164  | -8,69  | ,69   |
|          | K - (3)  | ,333    | 1,264 | 1,000 | -4,35  | 5,02  |
|          | K + (3)  | 4,667   | 1,264 | ,052  | -,02   | 9,35  |
|          | P1 (3)   | 3,667   | 1,264 | ,268  | -1,02  | 8,35  |
|          | P2 (3)   | 2,667   | 1,264 | ,746  | -2,02  | 7,35  |
|          | K - (7)  | -,333   | 1,264 | 1,000 | -5,02  | 4,35  |
|          | K + (7)  | 4,000   | 1,264 | ,164  | -,69   | 8,69  |
|          | P1 (7)   | ,000    | 1,264 | 1,000 | -4,69  | 4,69  |
| K - (14) | P2 (7)   | -1,667  | 1,264 | ,992  | -6,35  | 3,02  |
|          | K + (14) | 4,000   | 1,264 | ,164  | -,69   | 8,69  |
|          | P1 (14)  | -2,000  | 1,264 | ,960  | -6,69  | 2,69  |
|          | P2 (14)  | -2,667  | 1,264 | ,746  | -7,35  | 2,02  |
|          | K - (21) | ,333    | 1,264 | 1,000 | -4,35  | 5,02  |
|          | K+ (21)  | ,667    | 1,264 | 1,000 | -4,02  | 5,35  |
|          | P1 (21)  | -4,667  | 1,264 | ,052  | -9,35  | ,02   |
|          | P2 (21)  | -5,667* | 1,264 | ,007  | -10,35 | -,98  |
|          | K - (3)  | -3,667  | 1,264 | ,268  | -8,35  | 1,02  |
|          | K + (3)  | ,667    | 1,264 | 1,000 | -4,02  | 5,35  |
|          | P1 (3)   | -,333   | 1,264 | 1,000 | -5,02  | 4,35  |
|          | P2 (3)   | -1,333  | 1,264 | ,999  | -6,02  | 3,35  |
|          | K - (7)  | -4,333  | 1,264 | ,094  | -9,02  | ,35   |
|          | K + (7)  | ,000    | 1,264 | 1,000 | -4,69  | 4,69  |
|          | P1 (7)   | -4,000  | 1,264 | ,164  | -8,69  | ,69   |
| K + (14) | P2 (7)   | -5,667* | 1,264 | ,007  | -10,35 | -,98  |
|          | K - (14) | -4,000  | 1,264 | ,164  | -8,69  | ,69   |
|          | P1 (14)  | -6,000* | 1,264 | ,003  | -10,69 | -1,31 |
|          | P2 (14)  | -6,667* | 1,264 | ,001  | -11,35 | -1,98 |
|          | K - (21) | -3,667  | 1,264 | ,268  | -8,35  | 1,02  |
|          | K+ (21)  | -3,333  | 1,264 | ,409  | -8,02  | 1,35  |
|          | P1 (21)  | -8,667* | 1,264 | ,000  | -13,35 | -3,98 |
|          | P2 (21)  | -9,667* | 1,264 | ,000  | -14,35 | -4,98 |

|          |          |                    |       |       |       |       |
|----------|----------|--------------------|-------|-------|-------|-------|
|          | K - (3)  | 2,333              | 1,264 | ,881  | -2,35 | 7,02  |
|          | K + (3)  | 6,667 <sup>+</sup> | 1,264 | ,001  | 1,98  | 11,35 |
|          | P1 (3)   | 5,667 <sup>+</sup> | 1,264 | ,007  | ,98   | 10,35 |
|          | P2 (3)   | 4,667              | 1,264 | ,052  | -,02  | 9,35  |
|          | K - (7)  | 1,667              | 1,264 | ,992  | -3,02 | 6,35  |
|          | K + (7)  | 6,000 <sup>+</sup> | 1,264 | ,003  | 1,31  | 10,69 |
|          | P1 (7)   | 2,000              | 1,264 | ,960  | -2,69 | 6,69  |
| P1 (14)  | P2 (7)   | ,333               | 1,264 | 1,000 | -4,35 | 5,02  |
|          | K - (14) | 2,000              | 1,264 | ,960  | -2,69 | 6,69  |
|          | K + (14) | 6,000 <sup>+</sup> | 1,264 | ,003  | 1,31  | 10,69 |
|          | P2 (14)  | -,667              | 1,264 | 1,000 | -5,35 | 4,02  |
|          | K - (21) | 2,333              | 1,264 | ,881  | -2,35 | 7,02  |
|          | K+ (21)  | 2,667              | 1,264 | ,746  | -2,02 | 7,35  |
|          | P1 (21)  | -2,667             | 1,264 | ,746  | -7,35 | 2,02  |
|          | P2 (21)  | -3,667             | 1,264 | ,268  | -8,35 | 1,02  |
|          | K - (3)  | 3,000              | 1,264 | ,578  | -1,69 | 7,69  |
|          | K + (3)  | 7,333 <sup>+</sup> | 1,264 | ,000  | 2,65  | 12,02 |
|          | P1 (3)   | 6,333 <sup>+</sup> | 1,264 | ,002  | 1,65  | 11,02 |
|          | P2 (3)   | 5,333 <sup>+</sup> | 1,264 | ,014  | ,65   | 10,02 |
|          | K - (7)  | 2,333              | 1,264 | ,881  | -2,35 | 7,02  |
|          | K + (7)  | 6,667 <sup>+</sup> | 1,264 | ,001  | 1,98  | 11,35 |
|          | P1 (7)   | 2,667              | 1,264 | ,746  | -2,02 | 7,35  |
| P2 (14)  | P2 (7)   | 1,000              | 1,264 | 1,000 | -3,69 | 5,69  |
|          | K - (14) | 2,667              | 1,264 | ,746  | -2,02 | 7,35  |
|          | K + (14) | 6,667 <sup>+</sup> | 1,264 | ,001  | 1,98  | 11,35 |
|          | P1 (14)  | ,667               | 1,264 | 1,000 | -4,02 | 5,35  |
|          | K - (21) | 3,000              | 1,264 | ,578  | -1,69 | 7,69  |
|          | K+ (21)  | 3,333              | 1,264 | ,409  | -1,35 | 8,02  |
|          | P1 (21)  | -2,000             | 1,264 | ,960  | -6,69 | 2,69  |
|          | P2 (21)  | -3,000             | 1,264 | ,578  | -7,69 | 1,69  |
|          | K - (3)  | ,000               | 1,264 | 1,000 | -4,69 | 4,69  |
|          | K + (3)  | 4,333              | 1,264 | ,094  | -,35  | 9,02  |
|          | P1 (3)   | 3,333              | 1,264 | ,409  | -1,35 | 8,02  |
|          | P2 (3)   | 2,333              | 1,264 | ,881  | -2,35 | 7,02  |
| K - (21) | K - (7)  | -,667              | 1,264 | 1,000 | -5,35 | 4,02  |
|          | K + (7)  | 3,667              | 1,264 | ,268  | -1,02 | 8,35  |
|          | P1 (7)   | -,333              | 1,264 | 1,000 | -5,02 | 4,35  |
|          | P2 (7)   | -2,000             | 1,264 | ,960  | -6,69 | 2,69  |
|          | K - (14) | -,333              | 1,264 | 1,000 | -5,02 | 4,35  |
|          | K + (14) | 3,667              | 1,264 | ,268  | -1,02 | 8,35  |

|         |          |                     |       |       |        |       |
|---------|----------|---------------------|-------|-------|--------|-------|
|         | P1 (14)  | -2,333              | 1,264 | ,881  | -7,02  | 2,35  |
|         | P2 (14)  | -3,000              | 1,264 | ,578  | -7,69  | 1,69  |
|         | K+ (21)  | ,333                | 1,264 | 1,000 | -4,35  | 5,02  |
|         | P1 (21)  | -5,000 <sup>*</sup> | 1,264 | ,027  | -9,69  | -,31  |
|         | P2 (21)  | -6,000 <sup>*</sup> | 1,264 | ,003  | -10,69 | -1,31 |
|         | K - (3)  | -,333               | 1,264 | 1,000 | -5,02  | 4,35  |
|         | K + (3)  | 4,000               | 1,264 | ,164  | -,69   | 8,69  |
|         | P1 (3)   | 3,000               | 1,264 | ,578  | -1,69  | 7,69  |
|         | P2 (3)   | 2,000               | 1,264 | ,960  | -2,69  | 6,69  |
|         | K - (7)  | -1,000              | 1,264 | 1,000 | -5,69  | 3,69  |
|         | K + (7)  | 3,333               | 1,264 | ,409  | -1,35  | 8,02  |
|         | P1 (7)   | -,667               | 1,264 | 1,000 | -5,35  | 4,02  |
| K+ (21) | P2 (7)   | -2,333              | 1,264 | ,881  | -7,02  | 2,35  |
|         | K - (14) | -,667               | 1,264 | 1,000 | -5,35  | 4,02  |
|         | K + (14) | 3,333               | 1,264 | ,409  | -1,35  | 8,02  |
|         | P1 (14)  | -2,667              | 1,264 | ,746  | -7,35  | 2,02  |
|         | P2 (14)  | -3,333              | 1,264 | ,409  | -8,02  | 1,35  |
|         | K - (21) | -,333               | 1,264 | 1,000 | -5,02  | 4,35  |
|         | P1 (21)  | -5,333 <sup>*</sup> | 1,264 | ,014  | -10,02 | -,65  |
|         | P2 (21)  | -6,333 <sup>*</sup> | 1,264 | ,002  | -11,02 | -1,65 |
|         | K - (3)  | 5,000 <sup>*</sup>  | 1,264 | ,027  | ,31    | 9,69  |
|         | K + (3)  | 9,333 <sup>*</sup>  | 1,264 | ,000  | 4,65   | 14,02 |
|         | P1 (3)   | 8,333 <sup>*</sup>  | 1,264 | ,000  | 3,65   | 13,02 |
|         | P2 (3)   | 7,333 <sup>*</sup>  | 1,264 | ,000  | 2,65   | 12,02 |
|         | K - (7)  | 4,333               | 1,264 | ,094  | -,35   | 9,02  |
|         | K + (7)  | 8,667 <sup>*</sup>  | 1,264 | ,000  | 3,98   | 13,35 |
|         | P1 (7)   | 4,667               | 1,264 | ,052  | -,02   | 9,35  |
| P1 (21) | P2 (7)   | 3,000               | 1,264 | ,578  | -1,69  | 7,69  |
|         | K - (14) | 4,667               | 1,264 | ,052  | -,02   | 9,35  |
|         | K + (14) | 8,667 <sup>*</sup>  | 1,264 | ,000  | 3,98   | 13,35 |
|         | P1 (14)  | 2,667               | 1,264 | ,746  | -2,02  | 7,35  |
|         | P2 (14)  | 2,000               | 1,264 | ,960  | -2,69  | 6,69  |
|         | K - (21) | 5,000 <sup>*</sup>  | 1,264 | ,027  | ,31    | 9,69  |
|         | K+ (21)  | 5,333 <sup>*</sup>  | 1,264 | ,014  | ,65    | 10,02 |
|         | P2 (21)  | -1,000              | 1,264 | 1,000 | -5,69  | 3,69  |
|         | K - (3)  | 6,000 <sup>*</sup>  | 1,264 | ,003  | 1,31   | 10,69 |
| P2 (21) | K + (3)  | 10,333 <sup>*</sup> | 1,264 | ,000  | 5,65   | 15,02 |
|         | P1 (3)   | 9,333 <sup>*</sup>  | 1,264 | ,000  | 4,65   | 14,02 |
|         | P2 (3)   | 8,333 <sup>*</sup>  | 1,264 | ,000  | 3,65   | 13,02 |



|          |        |       |       |       |       |
|----------|--------|-------|-------|-------|-------|
| K - (7)  | 5,333* | 1,264 | ,014  | ,65   | 10,02 |
| K + (7)  | 9,667* | 1,264 | ,000  | 4,98  | 14,35 |
| P1 (7)   | 5,667* | 1,264 | ,007  | ,98   | 10,35 |
| P2 (7)   | 4,000  | 1,264 | ,164  | -,69  | 8,69  |
| K - (14) | 5,667* | 1,264 | ,007  | ,98   | 10,35 |
| K + (14) | 9,667* | 1,264 | ,000  | 4,98  | 14,35 |
| P1 (14)  | 3,667  | 1,264 | ,268  | -1,02 | 8,35  |
| P2 (14)  | 3,000  | 1,264 | ,578  | -1,69 | 7,69  |
| K - (21) | 6,000* | 1,264 | ,003  | 1,31  | 10,69 |
| K+ (21)  | 6,333* | 1,264 | ,002  | 1,65  | 11,02 |
| P1 (21)  | 1,000  | 1,264 | 1,000 | -3,69 | 5,69  |

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

## Homogeneous Subsets

### OSTEONECTIN

Tukey HSD<sup>a</sup>

| KELOMPOK | N | Subset for alpha = 0.05 |      |      |       |       |       |
|----------|---|-------------------------|------|------|-------|-------|-------|
|          |   | 1                       | 2    | 3    | 4     | 5     | 6     |
| K + (3)  | 3 | 2,67                    |      |      |       |       |       |
| K + (7)  | 3 | 3,33                    | 3,33 |      |       |       |       |
| K + (14) | 3 | 3,33                    | 3,33 |      |       |       |       |
| P1 (3)   | 3 | 3,67                    | 3,67 |      |       |       |       |
| P2 (3)   | 3 | 4,67                    | 4,67 | 4,67 |       |       |       |
| K+ (21)  | 3 | 6,67                    | 6,67 | 6,67 | 6,67  |       |       |
| K - (3)  | 3 | 7,00                    | 7,00 | 7,00 | 7,00  |       |       |
| K - (21) | 3 | 7,00                    | 7,00 | 7,00 | 7,00  |       |       |
| P1 (7)   | 3 | 7,33                    | 7,33 | 7,33 | 7,33  | 7,33  |       |
| K - (14) | 3 | 7,33                    | 7,33 | 7,33 | 7,33  | 7,33  |       |
| K - (7)  | 3 |                         | 7,67 | 7,67 | 7,67  | 7,67  |       |
| P2 (7)   | 3 |                         |      | 9,00 | 9,00  | 9,00  | 9,00  |
| P1 (14)  | 3 |                         |      | 9,33 | 9,33  | 9,33  | 9,33  |
| P2 (14)  | 3 |                         |      |      | 10,00 | 10,00 | 10,00 |
| P1 (21)  | 3 |                         |      |      |       | 12,00 | 12,00 |
| P2 (21)  | 3 |                         |      |      |       |       | 13,00 |
| Sig.     |   | ,052                    | ,094 | ,052 | ,409  | ,052  | ,164  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## Homogeneous Subsets

```
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=KELOMPOK
  MEANSD(OSTEONECTIN, 1) [name="MEAN_OSTEONECTIN"
  LOW="MEAN_OSTEONECTIN_LOW" HIGH="MEAN_OSTEONECTIN_HIGH"]
  MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: KELOMPOK=col(source(s), name("KELOMPOK"), unit.category())
  DATA: MEAN_OSTEONECTIN=col(source(s), name("MEAN_OSTEONECTIN"))
  DATA: LOW=col(source(s), name("MEAN_OSTEONECTIN_LOW"))
  DATA: HIGH=col(source(s), name("MEAN_OSTEONECTIN_HIGH"))
  GUIDE: axis(dim(1), label("KELOMPOK"))
  GUIDE: axis(dim(2), label("Mean OSTEONECTIN"))
  GUIDE: text.footnote(label("Error Bars: +/- 1 SD"))
  SCALE: cat(dim(1), include("1", "2", "3", "4", "5", "6", "7",
  "8", "9", "10", "11", "12"
  , "13", "14", "15", "16"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: interval(position(KELOMPOK*MEAN_OSTEONECTIN),
  shape.interior(shape.square))
  ELEMENT:
  interval(position(region.spread.range(KELOMPOK*(LOW+HIGH))),
  shape.interior(shape.ibeam))
END GPL.
```

## GGraph

### Notes

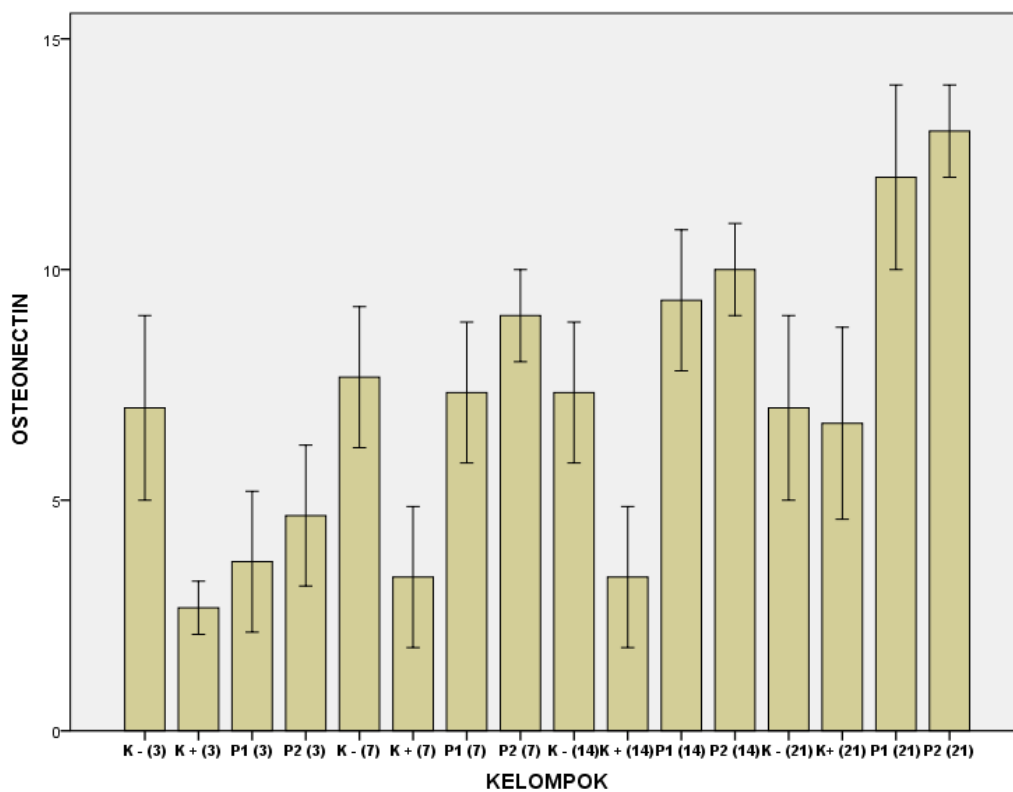
|                                |                                   |
|--------------------------------|-----------------------------------|
| Output Created                 | 15-JUN-2022 13:38:48              |
| Comments                       |                                   |
| Data                           | C:\Users\Panasonic\Documents\DATA |
| Active Dataset                 | RAHMI.sav                         |
| Input                          | DataSet0                          |
| Filter                         | <none>                            |
| Weight                         | <none>                            |
| Split File                     | <none>                            |
| N of Rows in Working Data File | 48                                |

Syntax

```
GGRAPH
  /GRAPHDATASET
NAME="graphdataset"
VARIABLES=KELOMPOK
MEANSD(OSTEONECTIN,
1)[name="MEAN_OSTEONECTIN"
LOW="MEAN_OSTEONECTIN_LOW"
HIGH="MEAN_OSTEONECTIN_HIGH"]
MISSING=LISTWISE
REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE:
s=userSource(id("graphdataset"))
  DATA: KELOMPOK=col(source(s),
name("KELOMPOK"), unit.category())
  DATA:
MEAN_OSTEONECTIN=col(source(s),
name("MEAN_OSTEONECTIN"))
  DATA: LOW=col(source(s),
name("MEAN_OSTEONECTIN_LOW"))
  DATA: HIGH=col(source(s),
name("MEAN_OSTEONECTIN_HIGH"))
  GUIDE: axis(dim(1),
label("KELOMPOK"))
  GUIDE: axis(dim(2), label("Mean
OSTEONECTIN"))
  GUIDE: text.footnote(label("Error Bars:
+/- 1 SD"))
  SCALE: cat(dim(1), include("1", "2", "3",
"4", "5", "6", "7", "8", "9", "10", "11", "12",
"13", "14", "15", "16"))
  SCALE: linear(dim(2), include(0))
  ELEMENT:
interval(position(KELOMPOK*MEAN_OS
TEONECTIN),
shape.interior(shape.square))
  ELEMENT:
interval(position(region.spread.range(KE
```

|           |                |   |             |
|-----------|----------------|---|-------------|
|           |                | LOMPOK*(LOW+HIGH)),<br>shape.interior(shape.ibeam))<br>END GPL. |             |
| Resources | Processor Time |   | 00:00:00,31 |
|           | Elapsed Time   |   | 00:00:00,27 |

[DataSet0] C:\Users\Panasonic\Documents\DATA RAHMI.sav

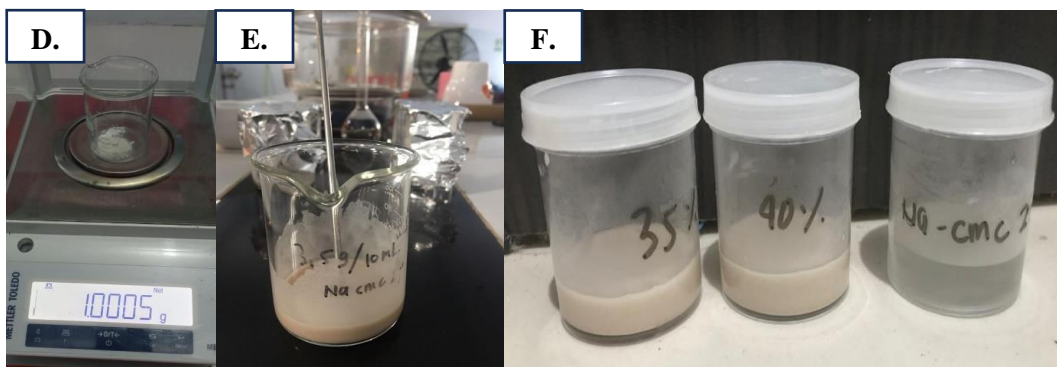


## C. Dokumentasi Penelitian

### Tahap Pembuatan Sediaan Pasta Cangkang

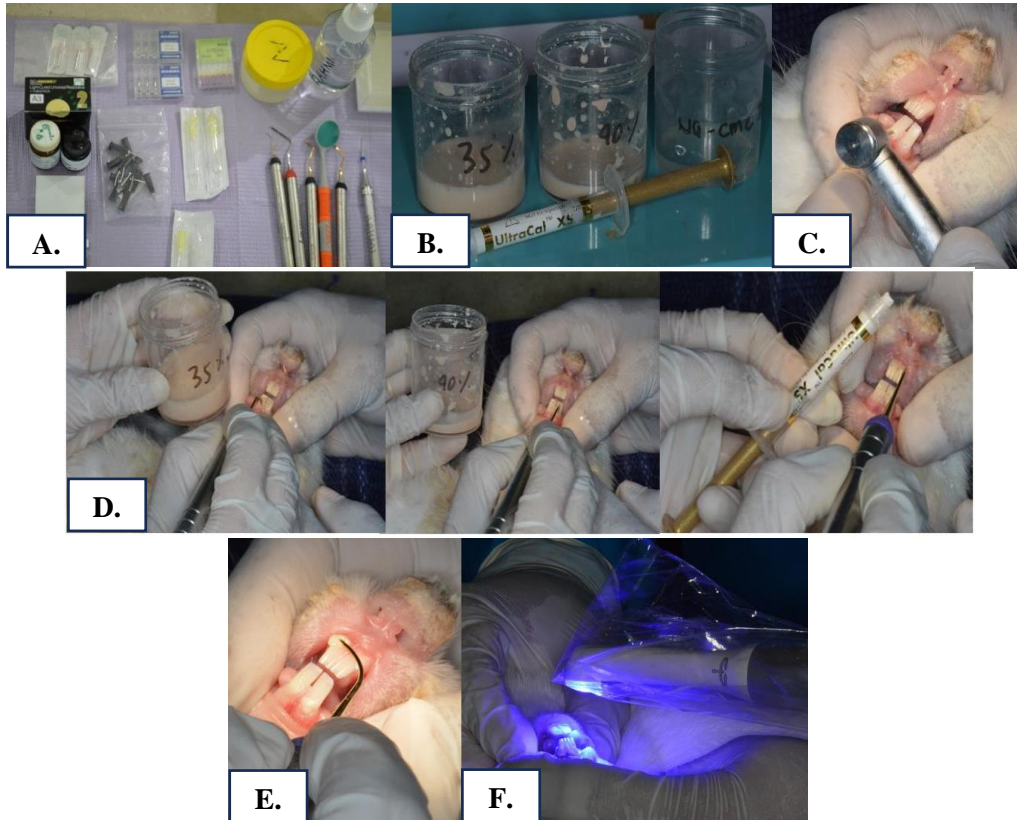


- A. Proses kalsinasi cangkang telur pada suhu  $110^{\circ}\text{C}$  selama 12 jam
- B. Proses penghancuran cangkang telur dengan *blender*
- C. Proses penghalusan dengan menggunakan mortar



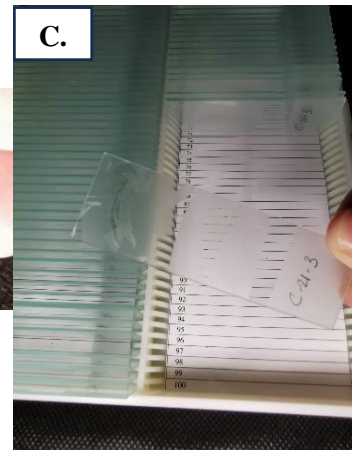
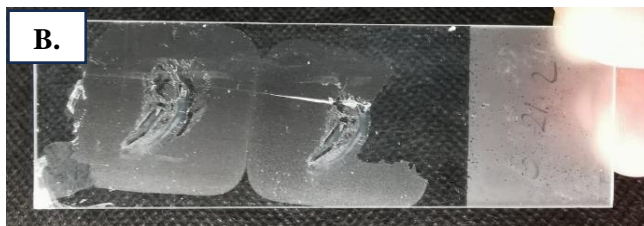
- D. Proses menimbang jumlah cangkang telur disesuaikan dengan konsentrasi yang diinginkan
- E. Penambahan larutan Na CMC (*Carboxy Methyl Cellulosum Natricum*)
- F. Sediaan pasta cangkang telur 35% dan 40%

## Tahap Perlakuan Hewan Coba



- A. Persiapan alat dan bahan
- B. Bahan yang akan diaplikasikan sebagai K-, K+, P35 dan P40
- C. Pembuatan kavitas pada gigi kelinci menggunakan bur dengan *high speed*
- D. Pengaplikasian bahan coba
- E. Menutup kavitas dengan RMGIC
- F. Proses *light cure* RMGIC

## Proses Persiapan untuk Pemeriksaan Imunohistokimia Pasca Perlakuan



- A. Proses pengambilan rahang dan pemisahan gigi
- B. Proses pembuatan *slide* preparat
- C. Sediaan *slide* preparat setiap sampel

