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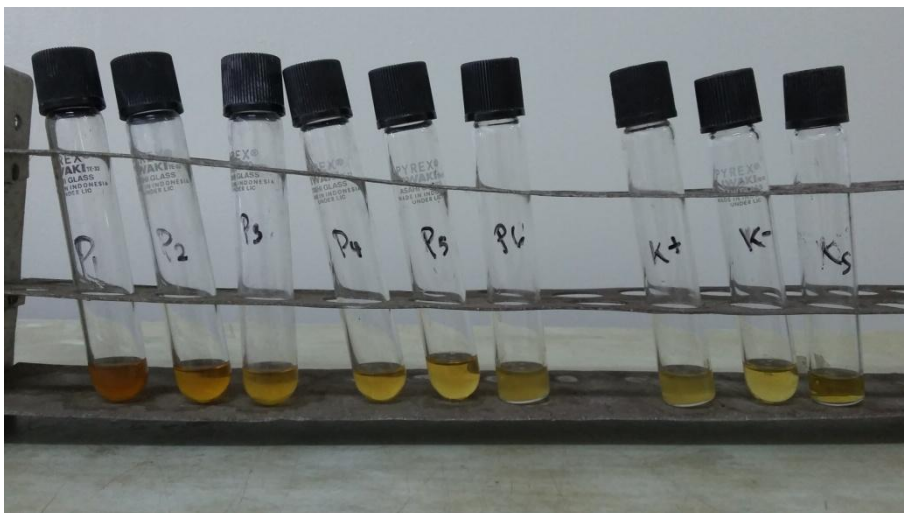
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LAMPIRAN

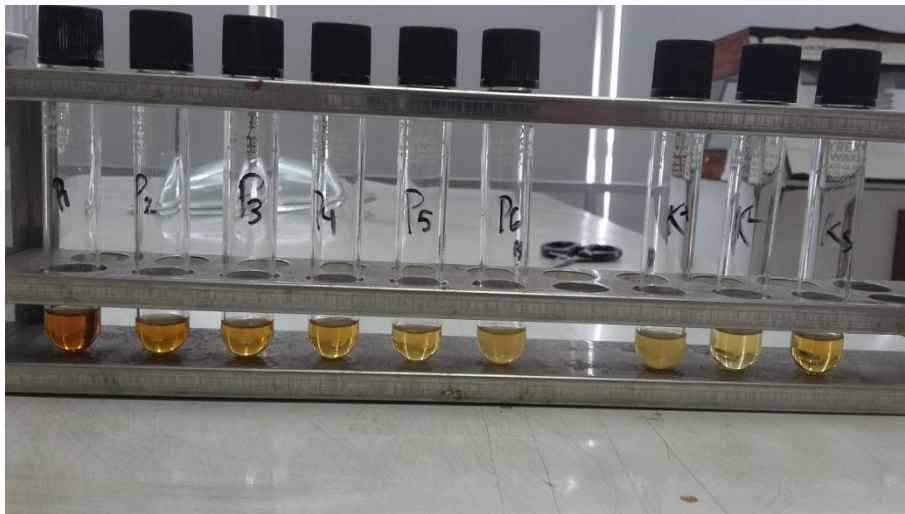
LAMPIRAN 1: DOKUMENTASI HASIL PENELITIAN (KHM)



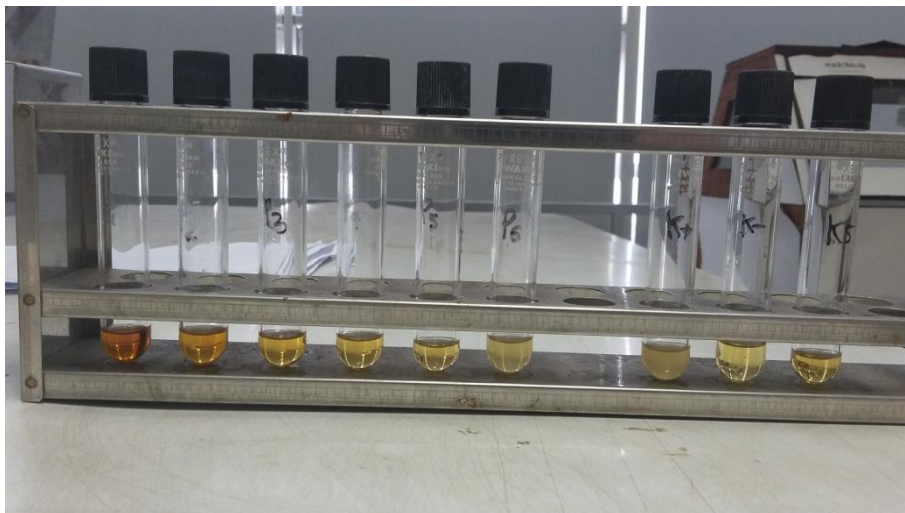
Pengulangan ke-I



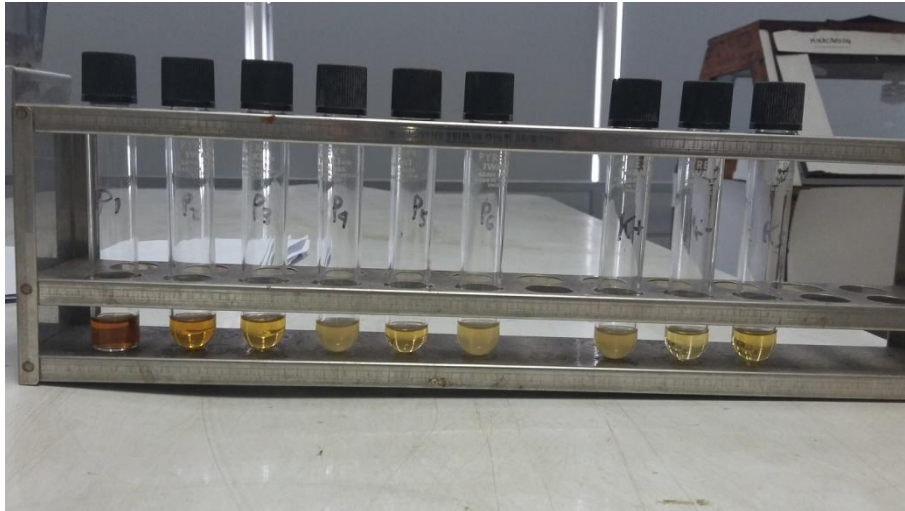
Pengulangan ke-II



Pengulangan ke-III

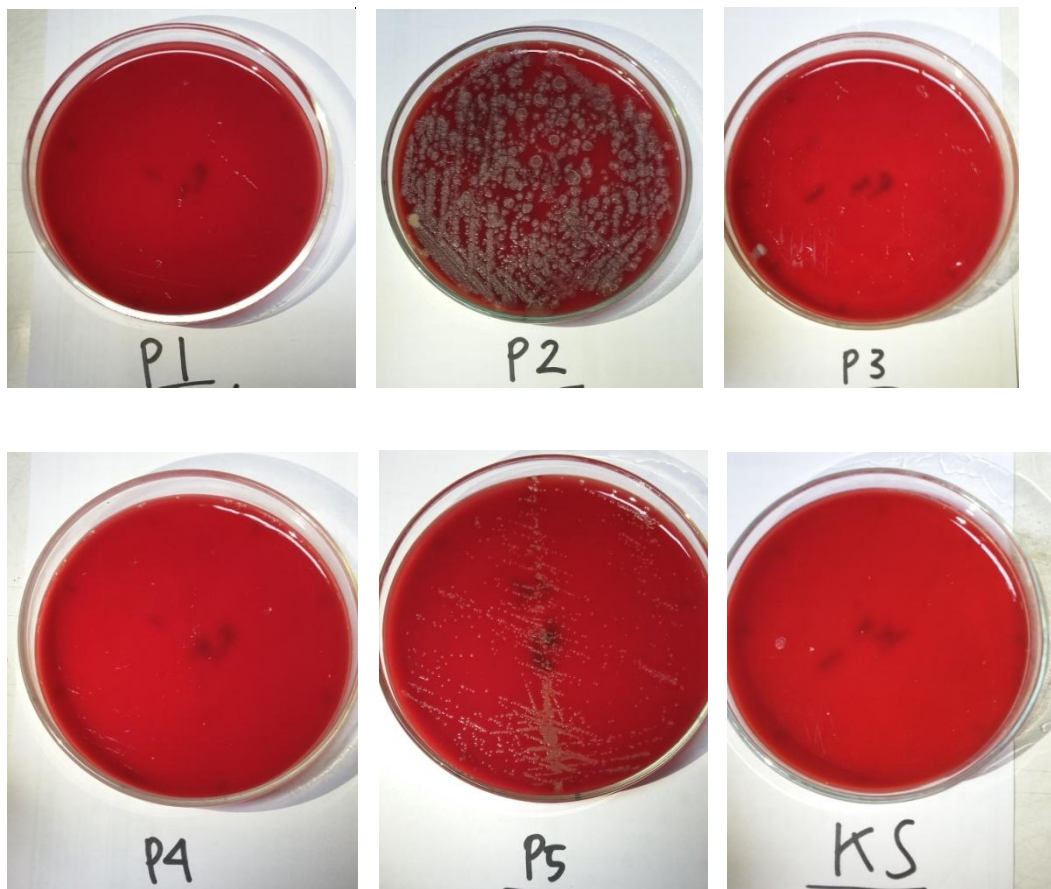


Pengulangan ke-IV



Pengulangan ke-V

LAMPIRAN 2: DOKUMENTASI HASIL PENELITIAN (KBM)



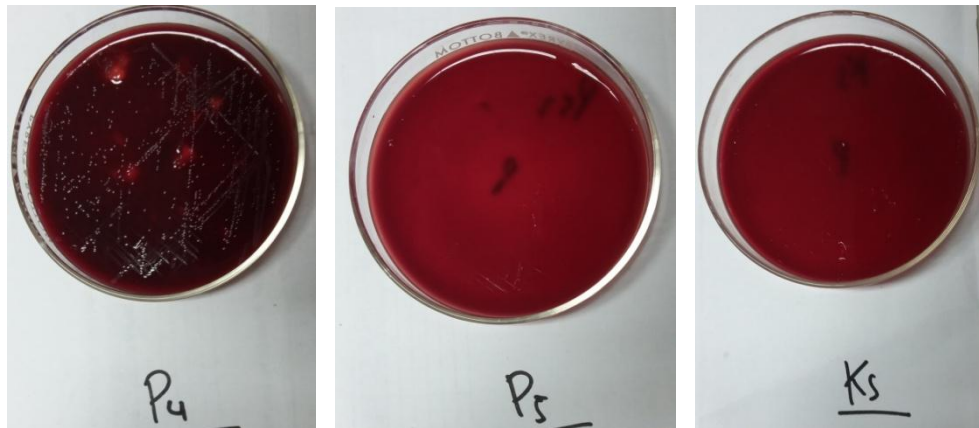
Pengulangan ke-I



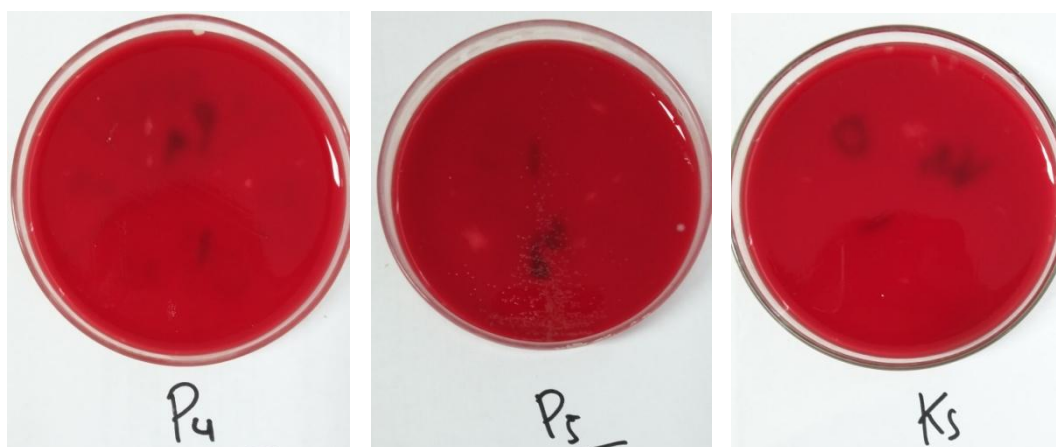
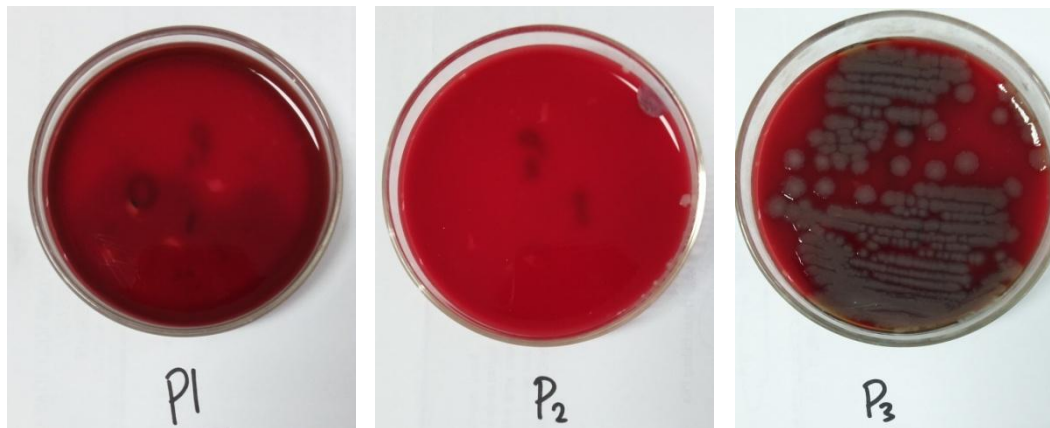
Pengulangan ke-II



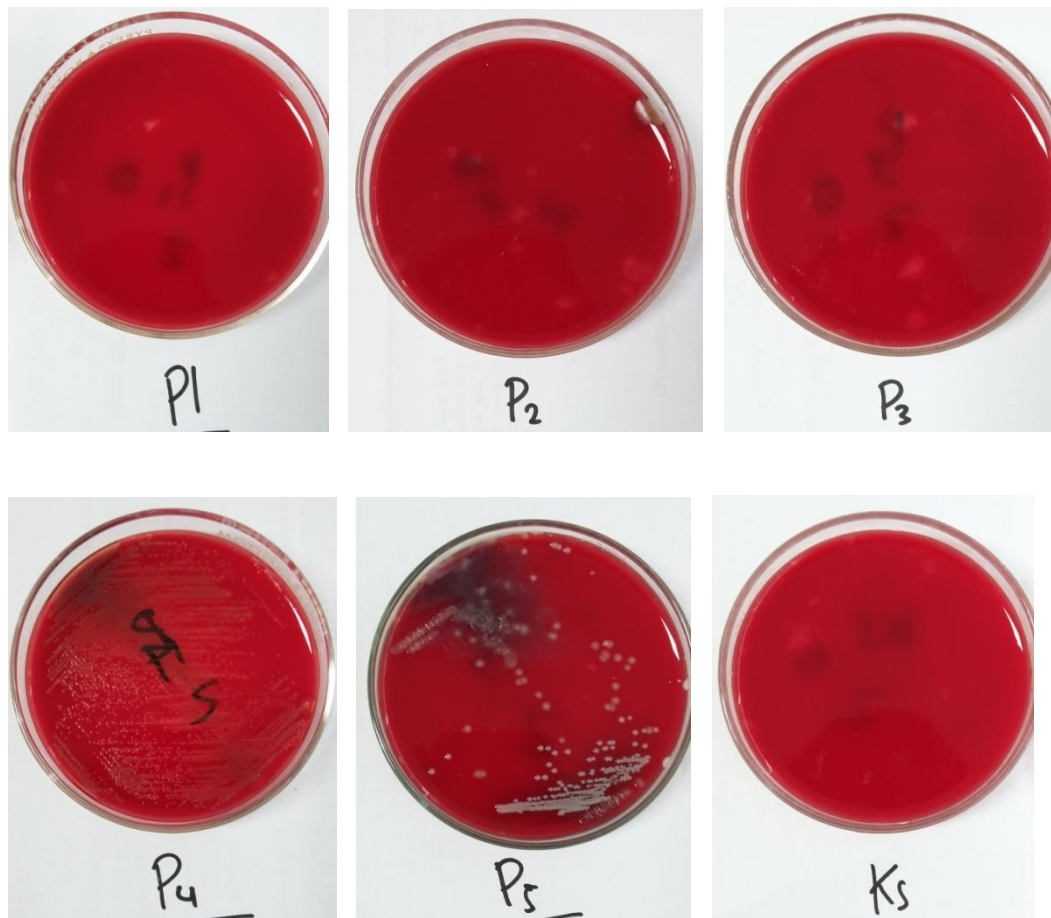
Pengulangan ke-III



Pengulangan ke-III (lanjutan)



Pengulangan ke-IV



Pengulangan ke-V

LAMPIRAN 3: BAKTERI YANG DIGUNAKAN DALAM PENELITIAN



Bakteri *Porphyromonas gingivalis*

LAMPIRAN 4: HASIL UJI STATISTIK DENGAN SPSS

KELOMPOK * BHI Crosstabulation

Count

| | | BHI | | Total |
|----------|----|--------|-------|-------|
| | | Jernih | Keruh | |
| KELOMPOK | P1 | 5 | 0 | 5 |
| | P2 | 5 | 0 | 5 |
| | P3 | 5 | 0 | 5 |
| | P4 | 4 | 1 | 5 |
| | P5 | 5 | 0 | 5 |
| | P6 | 0 | 5 | 5 |
| | Ks | 5 | 0 | 5 |
| | K+ | 0 | 5 | 5 |
| | K- | 5 | 0 | 5 |
| Total | | 34 | 11 | 45 |

NPar Tests

Kruskal-Wallis Test

Ranks

| KELOMPOK | N | Mean Rank |
|----------|----|-----------|
| P1 | 5 | 17,50 |
| P2 | 5 | 17,50 |
| P3 | 5 | 17,50 |
| P4 | 5 | 22,00 |
| P5 | 5 | 17,50 |
| P6 | 5 | 40,00 |
| Ks | 5 | 17,50 |
| K+ | 5 | 40,00 |
| K- | 5 | 17,50 |
| Total | 45 | |

Test Statistics^{a,b}

| | BHI |
|-------------|--------|
| Chi-Square | 39,765 |
| df | 8 |
| Asymp. Sig. | ,000 |

a. Kruskal Wallis Test

b. Grouping Variable:

KELOMPOK

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P1 | 5 | 5,50 | 27,50 |
| BHI P2 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P1 | 5 | 5,50 | 27,50 |
| BHI P3 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|--------------------|
| | BHI |
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P1 | 5 | 5,00 | 25,00 |
| BHI P4 | 5 | 6,00 | 30,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P1 | 5 | 5,50 | 27,50 |
| BHI P5 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P1 | 5 | 3,00 | 15,00 |
| BHI P6 | 5 | 8,00 | 40,00 |
| Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | BHI |
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P1 | 5 | 5,50 | 27,50 |
| BHI Ks | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P1 | 5 | 3,00 | 15,00 |
| BHI K+ | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P1 | 5 | 5,50 | 27,50 |
| BHI K- | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P2 | 5 | 5,50 | 27,50 |
| BHI P3 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P2 | 5 | 5,00 | 25,00 |
| BHI P4 | 5 | 6,00 | 30,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P2 | 5 | 5,50 | 27,50 |
| BHI P5 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P2 | 5 | 3,00 | 15,00 |
| BHI P6 | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P2 | 5 | 5,50 | 27,50 |
| BHI Ks | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P2 | 5 | 3,00 | 15,00 |
| BHI K+ | 5 | 8,00 | 40,00 |
| Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | BHI |
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P2 | 5 | 5,50 | 27,50 |
| BHI K- | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P3 | 5 | 5,00 | 25,00 |
| BHI P4 | 5 | 6,00 | 30,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P3 | 5 | 5,50 | 27,50 |
| BHI P5 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P3 | 5 | 3,00 | 15,00 |
| BHI P6 | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P3 | 5 | 5,50 | 27,50 |
| BHI Ks | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P3 | 5 | 3,00 | 15,00 |
| BHI K+ | 5 | 8,00 | 40,00 |
| Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | BHI |
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P3 | 5 | 5,50 | 27,50 |
| BHI K- | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P4 | 5 | 6,00 | 30,00 |
| BHI P5 | 5 | 5,00 | 25,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P4 | 5 | 3,50 | 17,50 |
| BHI P6 | 5 | 7,50 | 37,50 |
| Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | BHI |
| Mann-Whitney U | 2,500 |
| Wilcoxon W | 17,500 |
| Z | -2,449 |
| Asymp. Sig. (2-tailed) | ,014 |
| Exact Sig. [2*(1-tailed Sig.)] | ,032 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| P4 | 5 | 6,00 | 30,00 |
| BHI Ks | 5 | 5,00 | 25,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P4 | 5 | 3,50 | 17,50 |
| BHI K+ | 5 | 7,50 | 37,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 2,500 |
| Wilcoxon W | 17,500 |
| Z | -2,449 |
| Asymp. Sig. (2-tailed) | ,014 |
| Exact Sig. [2*(1-tailed Sig.)] | ,032 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P4 | 5 | 6,00 | 30,00 |
| BHI K- | 5 | 5,00 | 25,00 |
| Total | 10 | | |

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P5 | 5 | 3,00 | 15,00 |
| BHI P6 | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P5 | 5 | 5,50 | 27,50 |
| BHI Ks | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P5 | 5 | 3,00 | 15,00 |
| BHI K+ | 5 | 8,00 | 40,00 |
| Total | 10 | | |

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P5 | 5 | 5,50 | 27,50 |
| BHI K- | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P6 | 5 | 8,00 | 40,00 |
| BHI Ks | 5 | 3,00 | 15,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P6 | 5 | 5,50 | 27,50 |
| BHI K+ | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| | BHI |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| P6 | 5 | 8,00 | 40,00 |
| BHI K- | 5 | 3,00 | 15,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|----------|----|-----------|--------------|
| Ks | 5 | 3,00 | 15,00 |
| BHI K+ | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| Ks | 5 | 5,50 | 27,50 |
| BHI K- | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|--------------------|
| | BHI |
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | |
|----------|----|-----------|--------------|
| KELOMPOK | N | Mean Rank | Sum of Ranks |
| K+ | 5 | 8,00 | 40,00 |
| BHI K- | 5 | 3,00 | 15,00 |
| Total | 10 | | |

| | BHI |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

Case Summaries

HITUNG_KUMAN

| KELOMPOK | N | Mean | Std. Deviation | Median | Minimum | Maximum |
|----------|----|--------|----------------|--------|---------|---------|
| P1 | 5 | ,00 | ,000 | ,00 | 0 | 0 |
| P2 | 5 | ,00 | ,000 | ,00 | 0 | 0 |
| P3 | 5 | ,00 | ,000 | ,00 | 0 | 0 |
| P4 | 5 | 60,00 | 134,164 | ,00 | 0 | 300 |
| P5 | 5 | 75,00 | 129,904 | ,00 | 0 | 300 |
| P6 | 5 | 300,00 | ,000 | 300,00 | 300 | 300 |
| Total | 30 | 72,50 | 128,377 | ,00 | 0 | 300 |

NPar Tests

Kruskal-Wallis Test

Ranks

| KELOMPOK | N | Mean Rank |
|-----------------|----|-----------|
| P1 | 5 | 11,50 |
| P2 | 5 | 11,50 |
| P3 | 5 | 11,50 |
| HITUNG_KUMAN P4 | 5 | 14,60 |
| P5 | 5 | 16,90 |
| P6 | 5 | 27,00 |
| Total | 30 | |

Test Statistics^{a,b}

| | HITUNG_KUMA N |
|-------------|------------------|
| Chi-Square | 19,893 |
| df | 5 |
| Asymp. Sig. | ,001 |

a. Kruskal Wallis Test

b. Grouping Variable:

KELOMPOK

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P1 | 5 | 5,50 | 27,50 |
| HITUNG_KUMAN P2 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

| | HITUNG_KUMA N |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P1 | 5 | 5,50 | 27,50 |
| HITUNG_KUMAN P3 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| | KELOMPOK | N | Mean Rank | Sum of Ranks |
|--------------|----------|----|-----------|--------------|
| | P1 | 5 | 5,00 | 25,00 |
| HITUNG_KUMAN | P4 | 5 | 6,00 | 30,00 |
| | Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | | |
|--------------|----------|----|-----------|--------------|
| | KELOMPOK | N | Mean Rank | Sum of Ranks |
| | P1 | 5 | 4,50 | 22,50 |
| HITUNG_KUMAN | P5 | 5 | 6,50 | 32,50 |
| | Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | HITUNG_KUMA N |
| Mann-Whitney U | 7,500 |
| Wilcoxon W | 22,500 |
| Z | -1,491 |
| Asymp. Sig. (2-tailed) | ,136 |
| Exact Sig. [2*(1-tailed Sig.)] | ,310 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | | |
|--------------|----------|----|-----------|--------------|
| | KELOMPOK | N | Mean Rank | Sum of Ranks |
| | P1 | 5 | 3,00 | 15,00 |
| HITUNG_KUMAN | P6 | 5 | 8,00 | 40,00 |
| | Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P2 | 5 | 5,50 | 27,50 |
| HITUNG_KUMAN P3 | 5 | 5,50 | 27,50 |
| Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|--------------------|
| Mann-Whitney U | 12,500 |
| Wilcoxon W | 27,500 |
| Z | ,000 |
| Asymp. Sig. (2-tailed) | 1,000 |
| Exact Sig. [2*(1-tailed Sig.)] | 1,000 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | | |
|--------------|----------|----|-----------|--------------|
| | KELOMPOK | N | Mean Rank | Sum of Ranks |
| | P2 | 5 | 5,00 | 25,00 |
| HITUNG_KUMAN | P4 | 5 | 6,00 | 30,00 |
| | Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | HITUNG_KUMA N |
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | | |
|--------------|----------|----|-----------|--------------|
| | KELOMPOK | N | Mean Rank | Sum of Ranks |
| | P2 | 5 | 4,50 | 22,50 |
| HITUNG_KUMAN | P5 | 5 | 6,50 | 32,50 |
| | Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | 7,500 |
| Wilcoxon W | 22,500 |
| Z | -1,491 |
| Asymp. Sig. (2-tailed) | ,136 |
| Exact Sig. [2*(1-tailed Sig.)] | ,310 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P2 | 5 | 3,00 | 15,00 |
| HITUNG_KUMAN P6 | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P3 | 5 | 5,00 | 25,00 |
| HITUNG_KUMAN P4 | 5 | 6,00 | 30,00 |
| Total | 10 | | |

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | 10,000 |
| Wilcoxon W | 25,000 |
| Z | -1,000 |
| Asymp. Sig. (2-tailed) | ,317 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P3 | 5 | 4,50 | 22,50 |
| HITUNG_KUMAN P5 | 5 | 6,50 | 32,50 |
| Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | 7,500 |
| Wilcoxon W | 22,500 |
| Z | -1,491 |
| Asymp. Sig. (2-tailed) | ,136 |
| Exact Sig. [2*(1-tailed Sig.)] | ,310 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| KELOMPOK | N | Mean Rank | Sum of Ranks |
|-----------------|----|-----------|--------------|
| P3 | 5 | 3,00 | 15,00 |
| HITUNG_KUMAN P6 | 5 | 8,00 | 40,00 |
| Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | ,000 |
| Wilcoxon W | 15,000 |
| Z | -3,000 |
| Asymp. Sig. (2-tailed) | ,003 |
| Exact Sig. [2*(1-tailed Sig.)] | ,008 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | | |
|--------------|----------|----|-----------|--------------|
| | KELOMPOK | N | Mean Rank | Sum of Ranks |
| | P4 | 5 | 5,10 | 25,50 |
| HITUNG_KUMAN | P5 | 5 | 5,90 | 29,50 |
| | Total | 10 | | |

| Test Statistics ^a | |
|--------------------------------|-------------------|
| | HITUNG_KUMA N |
| Mann-Whitney U | 10,500 |
| Wilcoxon W | 25,500 |
| Z | -,516 |
| Asymp. Sig. (2-tailed) | ,606 |
| Exact Sig. [2*(1-tailed Sig.)] | ,690 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

| Ranks | | | | |
|--------------|----------|----|-----------|--------------|
| | KELOMPOK | N | Mean Rank | Sum of Ranks |
| | P4 | 5 | 3,50 | 17,50 |
| HITUNG_KUMAN | P6 | 5 | 7,50 | 37,50 |
| | Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | 2,500 |
| Wilcoxon W | 17,500 |
| Z | -2,449 |
| Asymp. Sig. (2-tailed) | ,014 |
| Exact Sig. [2*(1-tailed Sig.)] | ,032 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

NPar Tests

Mann-Whitney Test

Ranks

| | KELOMPOK | N | Mean Rank | Sum of Ranks |
|--------------|----------|----|-----------|--------------|
| | P5 | 5 | 3,50 | 17,50 |
| HITUNG_KUMAN | P6 | 5 | 7,50 | 37,50 |
| | Total | 10 | | |

Test Statistics^a

| | HITUNG_KUMA N |
|--------------------------------|-------------------|
| Mann-Whitney U | 2,500 |
| Wilcoxon W | 17,500 |
| Z | -2,390 |
| Asymp. Sig. (2-tailed) | ,017 |
| Exact Sig. [2*(1-tailed Sig.)] | ,032 ^b |

a. Grouping Variable: KELOMPOK

b. Not corrected for ties.

Tabel Hasil Uji Beda BHI + Asap Cair (Kejernihan) berdasarkan kelompok perlakuan

| Kelompok | Kejernihan | | <i>p</i> |
|----------|------------|-------|----------|
| | Jernih | Keruh | |
| P1 | 5 | 0 | 0,000* |
| P2 | 5 | 0 | |
| P3 | 5 | 0 | |
| P4 | 4 | 1 | |
| P5 | 5 | 0 | |
| P6 | 0 | 5 | |
| KS | 5 | 0 | |
| K+ | 0 | 5 | |
| K- | 5 | 0 | |

Keterangan : * Signifikan $p < 0,05$

Tabel Uji Beda BHI antar kelompok perlakuan

| Kelompok | P2 | P3 | P4 | P5 | P6 | KS | K+ | K- |
|----------|-------|-------|-------|-------|--------|--------|--------|--------|
| P1 | 1,000 | 1,000 | 0,317 | 1,000 | 0,003* | 1,000 | 0,003* | 1,000 |
| P2 | - | 1,000 | 0,317 | 1,000 | 0,003* | 1,000 | 0,003* | 1,000 |
| P3 | | - | 0,317 | 1,000 | 0,003* | 1,000 | 0,003* | 1,000 |
| P4 | | | - | 0,317 | 0,014* | 0,317 | 0,014* | 0,317 |
| P5 | | | | - | 0,003* | 1,000 | 0,003* | 1,000 |
| P6 | | | | | - | 0,003* | 1,000 | 0,003* |
| KS | | | | | | - | 0,003* | 1,000 |
| K+ | | | | | | | - | 0,003* |

Keterangan : * Signifikan $p < 0,05$

Tabel Hasil Uji Beda Blood Agar (Hitung Kuman yang tumbuh/koloni) berdasarkan kelompok perlakuan

| Kelompok | Median | Min - Maks | <i>p</i> |
|----------|--------|------------|----------|
| P1 | 0,00 | 0 – 0 | 0,001* |
| P2 | 0,00 | 0 – 0 | |
| P3 | 0,00 | 0 – 0 | |
| P4 | 0,00 | 0 – 300 | |
| P5 | 0,00 | 0 – 300 | |
| P6 | 300,00 | 300 – 300 | |



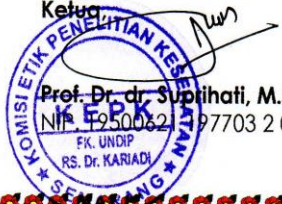
Keterangan : * Signifikan $p < 0,05$

Tabel Hasil Uji Beda Blood Agar (Hitung Kuman yang tumbuh/koloni) antar kelompok perlakuan

| Kelompok | P2 | P3 | P4 | P5 | P6 |
|----------|-------|-------|-------|-------|--------|
| P1 | 1,000 | 1,000 | 0,317 | 0,136 | 0,003* |
| P2 | - | 1,000 | 0,317 | 0,136 | 0,003* |
| P3 | | - | 0,317 | 0,136 | 0,003* |
| P4 | | | - | 0,606 | 0,014* |
| P5 | | | | - | 0,017* |

Keterangan : * Signifikan $p < 0,05$

LAMPIRAN 5: *Ethical Clearance* (EC)

| | | |
|--|---|---|
|  | <p>KOMISI ETIK PENELITIAN KESEHATAN (KEPK) FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO DAN RSUP dr KARIADI SEMARANG Sekretariat : Kantor Dekanat FK Undip Lt.3 Jl. Dr. Soetomo 18. Semarang Telp/Fax. 024-8318350</p> |  |
| <hr/> <p>ETHICAL CLEARANCE No. 369/EC/FK-RSDK/2016</p> | | |
| <p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro-RSUP. Dr. Kariadi Semarang, setelah membaca dan menelaah Usulan Penelitian dengan judul :</p> | | |
| <p>"PENGARUH PEMBERIAN ASAP CAIR PADA BERBAGAI KONSENTRASI TERHADAP PERTUMBUHAN <i>Porphyromonas gingivalis</i> PENYEBAB NEKROSIS PULPA"</p> | | |
| <p>Peneliti Utama : <i>Ari Wibowo</i></p> | | |
| <p>Pembimbing : 1. drg. Indah Lestari Vidyahayati 2. dr. V. Rizke Ciptaningtyas, M.Si.Med, Sp.MK</p> | | |
| <p>Penelitian : Dilaksanakan di Laboratorium Mikrobiologi FK UNDIP Semarang</p> | | |
| <p>Setuju untuk dilaksanakan, dengan memperhatikan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki 1975, yang diamended di Seoul 2008 dan Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI 2011</p> | | |
| <p>Peneliti harus melampirkan 2 kopi lembar Informed Consent yang telah disetujui dan ditanda tangani oleh peserta penelitian pada laporan penelitian.</p> | | |
| <p>Peneliti diwajibkan menyerahkan :</p> <ul style="list-style-type: none"> - Laporan kemajuan penelitian (<i>clinical trial</i>) - Laporan kejadian efek samping jika ada ✓ - Laporan ke KEPK jika penelitian sudah selesai & dilampiri Abstrak Penelitian | | |
| <p>Semarang, 01 APR 2016</p> | | |
| <p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Undip-RS. Dr. Kariadi</p> | | |
| <p>Ketua</p> | | |
| <p>Prof. Dr. dr. Suprihanti, M.Sc, Sp.THT-KL(K) NIP. 195006211977032001</p> | | |
|  | | |

LAMPIRAN 6: SURAT IJIN PENELITIAN



**KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS DIPONEGORO
FAKULTAS KEDOKTERAN**

Jl. Prof. H. Soedarto, SH – Tembalang – Semarang Telepon 024-76928010, Fax. 024-76928011
Email : dean_fmdu@undip.ac.id

Nomor : 1000 /UN7.3.4/D1/PP/2016
Lampiran : 1 (satu) bendel
Perihal : Permohonan ijin penelitian

09 FEB 2016

Yth. Ketua Bagian Mikrobiologi
Fakultas Kedokteran Universitas Diponegoro
Semarang

Bersama ini kami hadapkan mahasiswa Fakultas Kedokteran Universitas Diponegoro Semarang:

Nama/ NIM : Ari Wibowo / 22010112130109
Semester : VIII (delapan)

Mohon diijinkan untuk melakukan penelitian di Laboratorium Mikrobiologi, Fakultas Kedokteran Universitas Diponegoro Semarang, dalam rangka penyusunan Karya Tulis Ilmiah mahasiswa. Terlampir proposal mahasiswa yang bersangkutan.

Judul KTI : Pengaruh Pemberian Asap Cair Pada Berbagai Konsentrasi Terhadap
Pertumbuhan *Porphyromonas gingivalis* Penyebab Nekrosis Pulpa

Pembimbing : drg. Indah Lestari Vidyahayati
dr. V. Rizke Ciptaningtyas, M.Si.Med,Sp.MK

Atas perhatian dan kerjasamanya diucapkan terima kasih.



a.n Dekan
Pembantu Dekan I

Dr. dr. Dwi Pudjonarko, M.Kes.,Sp.S(K)
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Tembusan :

1. Dekan (sebagai laporan)
2. Ketua Tim Karya Tulis Ilmiah
3. Pembimbing
4. Mahasiswa Yang Bersangkutan