**Uji Kruskal-Wallis untuk Pembandingan Tiga Media**

**Kruskal-Wallis Test: Bakteri versus Media (10.1, H1)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 5.000 4.5 -0.39

PBS 3 4.000 4.3 -0.52

Weybridge 3 6.000 6.2 0.90

Overall 9 5.0

H = 0.82 DF = 2 P = 0.663

H = 0.84 DF = 2 **P = 0.658** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.2, H1)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 33.00 4.2 -0.65

PBS 3 39.00 6.2 0.90

Weybridge 3 35.00 4.7 -0.26

Overall 9 5.0

H = 0.87 DF = 2 P = 0.648

H = 0.87 DF = 2 **P = 0.646** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.3, H1)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 218.0 5.0 0.00

PBS 3 156.0 3.7 -1.03

Weybridge 3 300.0 6.3 1.03

Overall 9 5.0

H = 1.42 DF = 2 P = 0.491

H = 1.43 DF = 2 **P = 0.488** (adjusted for ties)

Kesimpulan:

Pada H1 untuk ketiga pengenceran (10.1, 10.2, 10.3), tdk ada perbedaan signifikan jumlah bakteri teramati dengan menggunakan ketiga media.

**Kruskal-Wallis Test: Bakteri versus Media (10.1, H2)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 1.20000E+01 5.7 0.52

PBS 3 0.000000000 2.0 -2.32

Weybridge 3 1.50000E+01 7.3 1.81

Overall 9 5.0

H = 5.96 DF = 2 P = 0.051

H = 6.21 DF = 2 **P = 0.045** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.2, H2)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 7.00000E+01 5.0 0.00

PBS 3 0.000000000 2.0 -2.32

Weybridge 3 1.49000E+02 8.0 2.32

Overall 9 5.0

H = 7.20 DF = 2 P = 0.027

H = 7.45 DF = 2 **P = 0.024** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.3, H2)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 2.48000E+02 5.0 0.00

PBS 3 0.000000000 2.0 -2.32

Weybridge 3 3.00000E+02 8.0 2.32

Overall 9 5.0

H = 7.20 DF = 2 P = 0.027

H = 7.71 DF = 2 **P = 0.021** (adjusted for ties)

Kesimpulan:

Pada H2 untuk ketiga pengenceran (10.1, 10.2, 10.3), sedikitnya ada sepasang media yang berbeda dalam jumlah bakteri yang teramati.

**Kruskal-Wallis Test: Bakteri versus Media (10.1, H3)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 4.90000E+01 5.2 0.13

PBS 3 0.000000000 2.0 -2.32

Weybridge 3 1.07000E+02 7.8 2.19

Overall 9 5.0

H = 6.82 DF = 2 P = 0.033

H = 7.12 DF = 2 **P = 0.028** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.2, H3)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 1.27000E+02 5.0 0.00

PBS 3 0.000000000 2.0 -2.32

Weybridge 3 3.00000E+02 8.0 2.32

Overall 9 5.0

H = 7.20 DF = 2 P = 0.027

H = 7.71 DF = 2 **P = 0.021** (adjusted for ties)

Kesimpulan:

Pada H3 untuk kedua pengenceran (10.1, 10.2), sedikitnya ada sepasang media yang berbeda dalam jumlah bakteri yang teramati.

**Uji Kruskal-Wallis Untuk Pembandingan Dua Media**

**Kruskal-Wallis Test: Bakteri versus Media (10.1, H1)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 5.000 2.8 -0.87

Weybridge 3 6.000 4.2 0.87

Overall 6 3.5

H = 0.76 DF = 1 **P = 0.383**

H = 0.81 DF = 1 **P = 0.369** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.2, H1)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 33.00 3.3 -0.22

Weybridge 3 35.00 3.7 0.22

Overall 6 3.5

H = 0.05 DF = 1 **P = 0.827**

**Kruskal-Wallis Test: Bakteri versus Media (10.3, H1)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 218.0 3.0 -0.65

Weybridge 3 300.0 4.0 0.65

Overall 6 3.5

H = 0.43 DF = 1 P = 0.513

H = 0.44 DF = 1 **P = 0.507** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.1, H2)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 12.00 2.7 -1.09

Weybridge 3 15.00 4.3 1.09

Overall 6 3.5

H = 1.19 DF = 1 P = 0.275

H = 1.23 DF = 1 **P = 0.268** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.2, H2)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 70.00 2.0 -1.96

Weybridge 3 149.00 5.0 1.96

Overall 6 3.5

H = 3.86 DF = 1 **P = 0.050**

**Kruskal-Wallis Test: Bakteri versus Media (10.3, H2)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 248.0 2.0 -1.96

Weybridge 3 300.0 5.0 1.96

Overall 6 3.5

H = 3.86 DF = 1 P = 0.050

H = 4.35 DF = 1 **P = 0.037** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.1, H3)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 49.00 2.2 -1.75

Weybridge 3 107.00 4.8 1.75

Overall 6 3.5

H = 3.05 DF = 1 P = 0.081

H = 3.14 DF = 1 **P = 0.077** (adjusted for ties)

**Kruskal-Wallis Test: Bakteri versus Media (10.2, H3)**

Kruskal-Wallis Test on Bakteri

 Ave

Media N Median Rank Z

Modifikasi 3 127.0 2.0 -1.96

Weybridge 3 300.0 5.0 1.96

Overall 6 3.5

H = 3.86 DF = 1 P = 0.050

H = 4.35 DF = 1 **P = 0.037** (adjusted for ties)