

Lampiran 4.1 Hasil statistik Addition Test dan Johnson Pascal Test dengan T-test berpasangan

T-Test

Addition test

Paired Samples Statistics

| | | Mean | N | Std. Deviation | Std. Error Mean |
|--------|-----------|--------|----|----------------|-----------------|
| Pair 1 | Posttest1 | 42.547 | 30 | 9.6056 | 1.7537 |
| | Pretest | 35.273 | 30 | 9.8383 | 1.7962 |
| Pair 2 | Posttest2 | 43.823 | 30 | 9.3965 | 1.7156 |
| | Pretest | 35.273 | 30 | 9.8383 | 1.7962 |

Paired Samples Correlations

| | | N | Correlation | Sig. |
|--------|---------------------|----|-------------|------|
| Pair 1 | Posttest1 & Pretest | 30 | .934 | .000 |
| Pair 2 | Posttest2 & Pretest | 30 | .816 | .000 |

Paired Samples Test

| | | Paired Differences | | | | | | | |
|--------|---------------------|--------------------|----------------|-----------------|---|---------|--------|----|-----------------|
| | | Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | | t | df | Sig. (2-tailed) |
| | | | | | Lower | Upper | | | |
| Pair 1 | Posttest1 - Pretest | 7.2733 | 3.5415 | .6466 | 5.9509 | 8.5957 | 11.249 | 29 | .000 |
| Pair 2 | Posttest2 - Pretest | 8.5500 | 5.8442 | 1.0670 | 6.3677 | 10.7323 | 8.013 | 29 | .000 |

T-test

Paired Samples Statistics
Johson Pascal Test

Paired Samples Statistics

| | | Mean | N | Std. Deviation | Std. Error Mean |
|--------|-----------|--------|----|----------------|-----------------|
| Pair 1 | PreTest | 178.73 | 30 | 29.452 | 5.377 |
| | posttest1 | 148.93 | 30 | 30.980 | 5.656 |
| Pair 2 | PreTest | 178.73 | 30 | 29.452 | 5.377 |
| | posttest2 | 141.27 | 30 | 23.070 | 4.212 |

Paired Samples Correlations

| | | N | Correlation | Sig. |
|--------|---------------------|----|-------------|------|
| Pair 1 | PreTest & posttest1 | 30 | .513 | .004 |
| Pair 2 | PreTest & posttest2 | 30 | .441 | .015 |

Paired Samples Test

| | | Paired Differences | | | | | | | |
|--------|---------------------|--------------------|----------------|-----------------|---|--------|-------|----|-----------------|
| | | Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | | t | df | Sig. (2-tailed) |
| | | | | | Lower | Upper | | | |
| Pair 1 | PreTest - posttest1 | 29.800 | 29.843 | 5.448 | 18.657 | 40.943 | 5.469 | 29 | .000 |
| Pair 2 | PreTest - posttest2 | 37.467 | 28.279 | 5.163 | 26.907 | 48.026 | 7.257 | 29 | .000 |

JOHNSON PASCAL TEST

1. PRE TEST

KUNCI JAWABAN

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| N | K | P | E | J | O | C | G | U | Z | D | T | V | H | I | M | L | K | F | Y | A | W | S | O | E | R |

JAWABAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D | U | W | I | N | W | E | X | O | A |
| N | G | Q | O | X | F | S | N | L | S |
| Y | R | J | G | S | S | E | I | T | H |
| N | D | F | S | D | E | Y | P | R | Y |
| P | K | T | C | E | J | W | I | Z | G |

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Waktu :..... Detik

Kesalahan :.....

Score :.....

JOHNSON PASCAL TEST

1. POST TEST I

KUNCI JAWABAN

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| N | X | P | V | J | N | C | A | U | S | D | Z | V | R | I | F | L | B | F | I | A | M | S | P | E | K |

JAWABAN

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|---|---|---|---|---|---|---|---|---|---|
| S | D | G | U | K | N | G | J | E | K |
| O | R | Y | F | B | X | C | F | F | H |
| R | H | A | U | I | G | I | E | D | B |
| H | D | T | U | M | C | K | W | A | N |
| K | T | J | B | C | D | H | Q | Z | L |

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Waktu :..... Detik

Kesalahan :.....

Score :.....

JOHNSON PASCAL TEST

1. POST TEST II

KUNCI JAWABAN

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| Q | X | E | V | T | N | U | A | O | S | W | Z | D | R | C | F | Y | B | G | I | H | M | J | P | L | K |

JAWABAN

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| F | G | T | U | N | C | D | A | J | I |
| H | J | M | O | E | Y | X | B | G | R |
| B | G | D | F | Y | K | V | T | D | B |
| S | Z | A | J | W | D | U | R | T | U |
| R | Y | J | B | D | W | T | K | P | O |

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Waktu :..... Detik

Kesalahan :.....

Score :.....

ADDITION SHEET

1. PRE TEST

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 6 | 8 | 6 | 3 | 5 | 4 | 2 | 1 | 4 | 7 | 9 |
| 9 | 8 | 6 | 4 | 2 | 5 | 8 | 4 | 2 | 6 | 0 | 2 |
| 1 | 0 | 9 | 6 | 7 | 4 | 5 | 9 | 4 | 2 | 4 | 7 |
| 6 | 2 | 1 | 9 | 8 | 6 | 7 | 5 | 2 | 1 | 9 | 0 |
| 8 | 9 | 5 | 6 | 4 | 9 | 8 | 6 | 3 | 2 | 9 | 9 |
| 1 | 6 | 4 | 9 | 7 | 8 | 4 | 6 | 7 | 4 | 8 | 2 |
| 1 | 8 | 6 | 5 | 7 | 3 | 9 | 8 | 5 | 4 | 7 | 6 |
| 9 | 8 | 6 | 4 | 6 | 8 | 3 | 9 | 6 | 0 | 5 | 3 |
| 3 | 2 | 1 | 5 | 3 | 7 | 9 | 6 | 8 | 6 | 6 | 5 |
| 0 | 8 | 6 | 4 | 2 | 1 | 3 | 5 | 7 | 9 | 8 | 6 |
| 2 | 8 | 7 | 8 | 6 | 4 | 3 | 6 | 4 | 7 | 9 | 6 |
| 6 | 7 | 4 | 5 | 9 | 8 | 4 | 6 | 2 | 6 | 8 | 0 |
| 6 | 5 | 7 | 4 | 5 | 6 | 2 | 5 | 0 | 9 | 7 | 4 |
| 5 | 4 | 2 | 6 | 9 | 7 | 4 | 2 | 6 | 6 | 4 | 2 |
| 8 | 0 | 9 | 1 | 3 | 2 | 4 | 8 | 7 | 5 | 3 | 2 |
| 0 | 6 | 7 | 4 | 5 | 2 | 3 | 7 | 9 | 6 | 8 | 4 |
| 0 | 8 | 5 | 2 | 1 | 7 | 6 | 9 | 5 | 7 | 8 | 4 |
| 2 | 5 | 4 | 7 | 8 | 0 | 5 | 3 | 2 | 6 | 5 | 3 |
| 3 | 2 | 4 | 7 | 5 | 9 | 5 | 3 | 1 | 4 | 7 | 9 |
| 7 | 6 | 9 | 8 | 4 | 3 | 6 | 5 | 4 | 7 | 9 | 0 |
| 3 | 2 | 1 | 6 | 5 | 7 | 4 | 9 | 8 | 6 | 3 | 6 |
| 0 | 8 | 9 | 7 | 6 | 3 | 2 | 7 | 6 | 0 | 8 | 5 |
| 0 | 6 | 7 | 4 | 5 | 9 | 8 | 3 | 2 | 1 | 8 | 7 |
| 0 | 8 | 9 | 7 | 3 | 5 | 4 | 0 | 9 | 3 | 2 | 1 |
| 9 | 8 | 4 | 7 | 6 | 4 | 6 | 3 | 9 | 0 | 5 | 4 |
| 9 | 0 | 8 | 7 | 1 | 5 | 6 | 7 | 9 | 4 | 3 | 9 |
| 0 | 9 | 4 | 7 | 6 | 8 | 5 | 3 | 1 | 8 | 9 | 5 |

ADDITION SHEET

2. POST TEST I

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 6 | 8 | 6 | 3 | 5 | 4 | 2 | 1 | 4 | 7 | 9 |
| 1 | 0 | 9 | 6 | 7 | 4 | 5 | 9 | 4 | 2 | 4 | 7 |
| 6 | 2 | 1 | 9 | 8 | 6 | 7 | 5 | 2 | 1 | 9 | 0 |
| 7 | 6 | 9 | 8 | 4 | 3 | 6 | 5 | 4 | 7 | 9 | 0 |
| 8 | 9 | 5 | 6 | 4 | 9 | 8 | 6 | 3 | 2 | 9 | 9 |
| 9 | 8 | 6 | 4 | 2 | 5 | 8 | 4 | 2 | 6 | 0 | 2 |
| 1 | 6 | 4 | 9 | 7 | 8 | 4 | 6 | 7 | 4 | 8 | 2 |
| 9 | 8 | 6 | 4 | 6 | 8 | 3 | 9 | 6 | 0 | 5 | 3 |
| 1 | 8 | 6 | 5 | 7 | 3 | 9 | 8 | 5 | 4 | 7 | 6 |
| 3 | 2 | 1 | 5 | 3 | 7 | 9 | 6 | 8 | 6 | 6 | 5 |
| 5 | 4 | 2 | 6 | 9 | 7 | 4 | 2 | 6 | 6 | 4 | 2 |
| 0 | 8 | 6 | 4 | 2 | 1 | 3 | 5 | 7 | 9 | 8 | 6 |
| 2 | 8 | 7 | 8 | 6 | 4 | 3 | 6 | 4 | 7 | 9 | 6 |
| 6 | 7 | 4 | 5 | 9 | 8 | 4 | 6 | 2 | 6 | 8 | 0 |
| 8 | 0 | 9 | 1 | 3 | 2 | 4 | 8 | 7 | 5 | 3 | 2 |
| 0 | 6 | 7 | 4 | 5 | 2 | 3 | 7 | 9 | 6 | 8 | 4 |
| 0 | 8 | 5 | 2 | 1 | 7 | 6 | 9 | 5 | 7 | 8 | 4 |
| 2 | 5 | 4 | 7 | 8 | 0 | 5 | 3 | 2 | 6 | 5 | 3 |
| 0 | 6 | 7 | 4 | 5 | 9 | 8 | 3 | 2 | 1 | 8 | 7 |
| 6 | 5 | 7 | 4 | 5 | 6 | 2 | 5 | 0 | 9 | 7 | 4 |
| 3 | 2 | 1 | 6 | 5 | 7 | 4 | 9 | 8 | 6 | 3 | 6 |
| 0 | 8 | 9 | 7 | 6 | 3 | 2 | 7 | 6 | 0 | 8 | 5 |
| 9 | 0 | 8 | 7 | 1 | 5 | 6 | 7 | 9 | 4 | 3 | 9 |
| 0 | 8 | 9 | 7 | 3 | 5 | 4 | 0 | 9 | 3 | 2 | 1 |
| 9 | 8 | 4 | 7 | 6 | 4 | 6 | 3 | 9 | 0 | 5 | 4 |
| 3 | 2 | 4 | 7 | 5 | 9 | 5 | 3 | 1 | 4 | 7 | 9 |
| 0 | 9 | 4 | 7 | 6 | 8 | 5 | 3 | 1 | 8 | 9 | 5 |

ADDITION SHEET

3. POST TEST II

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 6 | 8 | 6 | 3 | 5 | 4 | 2 | 1 | 4 | 7 | 9 |
| 1 | 0 | 9 | 6 | 7 | 4 | 5 | 9 | 4 | 2 | 4 | 7 |
| 7 | 6 | 9 | 8 | 4 | 3 | 6 | 5 | 4 | 7 | 9 | 0 |
| 8 | 9 | 5 | 6 | 4 | 9 | 8 | 6 | 3 | 2 | 9 | 9 |
| 9 | 8 | 6 | 4 | 2 | 5 | 8 | 4 | 2 | 6 | 0 | 2 |
| 8 | 0 | 9 | 1 | 3 | 2 | 4 | 8 | 7 | 5 | 3 | 2 |
| 9 | 8 | 6 | 4 | 6 | 8 | 3 | 9 | 6 | 0 | 5 | 3 |
| 3 | 2 | 1 | 5 | 3 | 7 | 9 | 6 | 8 | 6 | 6 | 5 |
| 5 | 4 | 2 | 6 | 9 | 7 | 4 | 2 | 6 | 6 | 4 | 2 |
| 1 | 6 | 4 | 9 | 7 | 8 | 4 | 6 | 7 | 4 | 8 | 2 |
| 0 | 8 | 6 | 4 | 2 | 1 | 3 | 5 | 7 | 9 | 8 | 6 |
| 2 | 8 | 7 | 8 | 6 | 4 | 3 | 6 | 4 | 7 | 9 | 6 |
| 0 | 6 | 7 | 4 | 5 | 2 | 3 | 7 | 9 | 6 | 8 | 4 |
| 1 | 8 | 6 | 5 | 7 | 3 | 9 | 8 | 5 | 4 | 7 | 6 |
| 0 | 8 | 9 | 7 | 3 | 5 | 4 | 0 | 9 | 3 | 2 | 1 |
| 0 | 8 | 5 | 2 | 1 | 7 | 6 | 9 | 5 | 7 | 8 | 4 |
| 6 | 7 | 4 | 5 | 9 | 8 | 4 | 6 | 2 | 6 | 8 | 0 |
| 0 | 6 | 7 | 4 | 5 | 9 | 8 | 3 | 2 | 1 | 8 | 7 |
| 6 | 5 | 7 | 4 | 5 | 6 | 2 | 5 | 0 | 9 | 7 | 4 |
| 3 | 2 | 1 | 6 | 5 | 7 | 4 | 9 | 8 | 6 | 3 | 6 |
| 0 | 8 | 9 | 7 | 6 | 3 | 2 | 7 | 6 | 0 | 8 | 5 |
| 2 | 5 | 4 | 7 | 8 | 0 | 5 | 3 | 2 | 6 | 5 | 3 |
| 6 | 2 | 1 | 9 | 8 | 6 | 7 | 5 | 2 | 1 | 9 | 0 |
| 9 | 0 | 8 | 7 | 1 | 5 | 6 | 7 | 9 | 4 | 3 | 9 |
| 9 | 8 | 4 | 7 | 6 | 4 | 6 | 3 | 9 | 0 | 5 | 4 |
| 3 | 2 | 4 | 7 | 5 | 9 | 5 | 3 | 1 | 4 | 7 | 9 |
| 0 | 9 | 4 | 7 | 6 | 8 | 5 | 3 | 1 | 8 | 9 | 5 |

SURAT PERSETUJUAN

Yang bertanda tangan di bawah ini,

Nama lengkap :
Tgl lahir :
NRP :
Alamat :

Menyatakan bersedia dan tidak berkeberatan menjadi naracoba dalam penelitian yang dilakukan oleh Chanchen Ricardo Tampubolon, 0510143 yang bertempat di Universitas Kristen Maranatha.

Surat Persetujuan ini saya buat dengan kesadaran saya sendiri tanpa tekanan maupun paksaan darimanapun.

Bandung,.....2010

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SURAT PERSETUJUAN

Yang bertanda tangan di bawah ini,

Nama lengkap :
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Surat Persetujuan ini saya buat dengan kesadaran saya sendiri tanpa tekanan maupun paksaan darimanapun.

Bandung,.....2010

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RIWAYAT HIDUP

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Alamat : Jl. Cibogo no. 73

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- 1993 lulus TK VIDATRA, Bontang Kalimantan Timur
- 1999 lulus SD VIDATRA, Bontang Kalimantan Timur
- 2002 lulus SMP VIDATRA, Bontang Kalimantan Timur
- 2005 lulus SMU VIDATRA, Bontang Kalimantan Timur

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