

Tabel 8. Data Bobot Tubuh, Lingkar Dada, Panjang Badan, Tinggi Pundak, dan Panjang Telinga Kambing Boerawa G1 Dewasa Tubuh.

| No | Nama Peternak | Kode Ternak | Bobot Tubuh (kg) | Lingkar Dada (cm) | Panjang Badan (cm) | Tinggi Pundak (cm) | Panjang Telinga (cm) |
|----|---------------|-------------|------------------|-------------------|--------------------|--------------------|----------------------|
| 1  | Kardi         | B1          | 38,4             | 71,0              | 62,0               | 65,0               | 21,30                |
| 2  | Kardi         | B2          | 36,2             | 72,4              | 63,0               | 68,0               | 20,10                |
| 3  | Sarimin       | B3          | 37,0             | 71,5              | 61,0               | 67,0               | 22,00                |
| 4  | Sarimin       | B4          | 33,5             | 72,0              | 62,0               | 69,0               | 21,20                |
| 5  | Suyitno       | B5          | 35,3             | 72,5              | 64,0               | 72,0               | 19,50                |
| 6  | Suyitno       | B6          | 34,7             | 71,4              | 64,0               | 73,0               | 21,20                |
| 7  | Suyitno       | B7          | 32,5             | 72,6              | 61,0               | 68,0               | 23,00                |
| 8  | Suyitno       | B8          | 35,2             | 73,0              | 65,0               | 73,0               | 21,40                |
| 9  | Warmino       | B9          | 38,3             | 72,0              | 66,0               | 74,0               | 20,60                |
| 10 | Warmino       | B10         | 36,0             | 71,6              | 63,0               | 70,0               | 22,00                |
| 11 | Lamijan       | B11         | 31,5             | 72,3              | 62,0               | 69,0               | 21,60                |
| 12 | Lamijan       | B12         | 34,0             | 71,0              | 64,0               | 73,0               | 19,80                |
| 13 | Pian          | B13         | 36,0             | 72,0              | 63,0               | 69,0               | 20,70                |
| 14 | Warino        | B14         | 33,6             | 71,3              | 65,0               | 73,0               | 22,10                |
| 15 | Mursyid       | B15         | 35,4             | 72,6              | 61,0               | 67,0               | 19,80                |
| 16 | Ta'lim        | B16         | 32,2             | 72,3              | 66,0               | 75,0               | 23,20                |
| 17 | Mustafa       | B17         | 34,0             | 73,5              | 68,0               | 75,0               | 21,40                |
| 18 | Jamuri        | B18         | 31,5             | 73,0              | 64,0               | 73,0               | 20,20                |
| 19 | Eko           | B19         | 35,0             | 72,4              | 63,0               | 71,0               | 22,00                |
| 20 | Tukimin       | B20         | 34,8             | 71,6              | 64,0               | 72,0               | 20,50                |
| 21 | Suranto       | B21         | 36,3             | 72,0              | 69,0               | 76,0               | 23,00                |
| 22 | Supartiman    | B22         | 32,4             | 73,2              | 65,0               | 74,0               | 21,40                |
| 23 | Abdullah      | B23         | 34,0             | 72,5              | 62,0               | 69,0               | 19,70                |
| 24 | Sutrisno      | B24         | 33,0             | 72,6              | 67,0               | 74,0               | 22,50                |
| 25 | Malik         | B25         | 36,0             | 73,0              | 64,0               | 73,0               | 20,30                |
| 26 | Supartiman    | B26         | 35,2             | 72,4              | 71,0               | 77,0               | 21,60                |
| 27 | Supartiman    | B27         | 37,3             | 71,2              | 65,0               | 74,0               | 20,80                |
| 28 | Rahmat        | B28         | 36,3             | 71,3              | 61,0               | 64,0               | 23,20                |
| 29 | Warno         | B29         | 33,5             | 72,2              | 62,0               | 71,0               | 21,60                |
| 30 | Supartiman    | B30         | 36,4             | 72,3              | 68,0               | 75,0               | 21,70                |
| 31 | Nyamin        | B31         | 31,9             | 71,0              | 62,0               | 70,0               | 20,50                |
| 32 | Aripin        | B32         | 35,5             | 71,1              | 65,0               | 74,0               | 19,70                |
| 33 | Aripin        | B33         | 34,3             | 71,3              | 62,0               | 68,0               | 23,00                |
| 34 | Aripin        | B34         | 36,2             | 72,2              | 63,0               | 70,0               | 20,60                |
| 35 | Bejo          | B35         | 33,0             | 72,0              | 63,0               | 69,0               | 21,30                |
| 36 | Bejo          | B36         | 35,0             | 71,4              | 61,0               | 64,0               | 29,80                |
| 37 | Wasis         | B37         | 36,2             | 72                | 61,0               | 66,0               | 20,90                |
| 38 | Wasis         | B38         | 34,4             | 73,2              | 63,0               | 74,0               | 21,20                |
| 39 | Sutono        | B39         | 36,7             | 73,0              | 62,0               | 71,0               | 19,70                |
| 40 | Sutono        | B40         | 33,5             | 71,5              | 65,0               | 75,0               | 21,30                |

lanjutan Tabel 8

|    |                        |     |               |               |             |              |                |
|----|------------------------|-----|---------------|---------------|-------------|--------------|----------------|
| 41 | Parman                 | B41 | 35,4          | 72,8          | 63,0        | 70,0         | 20,60          |
| 42 | Dio                    | B42 | 37,5          | 72,4          | 65,0        | 74,0         | 21,50          |
| 43 | Misni                  | B43 | 36,2          | 71,0          | 69,0        | 75,0         | 22,10          |
| 44 | Wariono                | B44 | 33,8          | 72,0          | 63,0        | 69,0         | 20,90          |
| 45 | Sodikun                | B45 | 35,2          | 71,3          | 62,0        | 70,0         | 22,00          |
| 46 | Minto                  | B46 | 37,5          | 71,6          | 63,0        | 69,0         | 20,70          |
| 47 | Sisu                   | B47 | 34,3          | 72,5          | 64,0        | 73,0         | 19,80          |
| 48 | Ruslani                | B48 | 36,5          | 71,4          | 61,0        | 67,0         | 21,00          |
| 49 | Sumardi                | B49 | 32,5          | 72,6          | 63,0        | 72,0         | 20,40          |
| 50 | Suhendi                | B50 | 34,1          | 71,0          | 67,0        | 73,0         | 22,20          |
| 51 | Nurdiyanto             | B51 | 33,4          | 71,5          | 62,0        | 69,0         | 20,60          |
| 52 | Sunaryo                | B52 | 34,8          | 72,3          | 63,0        | 69,0         | 20,80          |
| 53 | Ngatiran               | B53 | 36,3          | 71,4          | 66,0        | 75,0         | 21,40          |
| 54 | Mukri                  | B54 | 35,3          | 72,0          | 71,0        | 74,0         | 20,70          |
| 55 | Parmin                 | B55 | 36,6          | 71,0          | 64,0        | 72,0         | 22,00          |
| 56 | Juari                  | B56 | 32,3          | 71,6          | 63,0        | 70,0         | 21,20          |
| 57 | Ngaidi                 | B57 | 31,9          | 72,3          | 63,0        | 72,0         | 20,50          |
| 58 | Paino                  | B58 | 36,4          | 72,5          | 62,0        | 68,0         | 21,40          |
| 59 | Jumeno                 | B59 | 35,2          | 71,1          | 65,0        | 73,0         | 20,60          |
| 60 | Solihin                | B60 | 33,7          | 71,5          | 63,0        | 72,0         | 21,10          |
|    | <b>Jumlah</b>          |     | <b>2091,1</b> | <b>4246,8</b> | <b>3834</b> | <b>4270</b>  | <b>1267,90</b> |
|    | <b>Rata - rata</b>     |     | <b>34,85</b>  | <b>71,97</b>  | <b>63,9</b> | <b>71,16</b> | <b>21,13</b>   |
|    | <b>Nilai tertinggi</b> |     | <b>38,4</b>   | <b>73,5</b>   | <b>71</b>   | <b>77</b>    | <b>23,20</b>   |
|    | <b>Nilai terendah</b>  |     | <b>31,5</b>   | <b>71,0</b>   | <b>61</b>   | <b>64</b>    | <b>19,50</b>   |
|    | <b>Standar Deviasi</b> |     | <b>1,72</b>   | <b>0,67</b>   | <b>2,39</b> | <b>3,06</b>  | <b>0,93</b>    |

Tabel 9. Data Bobot Tubuh, Lingkar Dada, Panjang Badan, Tinggi Pundak, dan Panjang Telinga Kambing Boerawa G2 Dewasa Tubuh.

| No | Nama Peternak | Kode Ternak | Bobot Tubuh (kg) | Lingkar Dada (cm) | Panjang Badan (cm) | Tinggi Pundak (cm) | Panjang Telinga (cm) |
|----|---------------|-------------|------------------|-------------------|--------------------|--------------------|----------------------|
| 1  | Kardi         | C1          | 47,50            | 84,50             | 67,40              | 64,00              | 18,20                |
| 2  | Kardi         | C2          | 42,40            | 76,30             | 64,60              | 63,40              | 20,00                |
| 3  | Sarimin       | C3          | 42,70            | 79,20             | 68,30              | 65,20              | 19,40                |
| 4  | Sarimin       | C4          | 43,40            | 81,00             | 63,40              | 66,00              | 19,30                |
| 5  | Suyitno       | C5          | 44,80            | 74,70             | 65,70              | 63,60              | 20,00                |
| 6  | Suyitno       | C6          | 40,60            | 76,40             | 62,90              | 67,70              | 19,50                |
| 7  | Suyitno       | C7          | 41,80            | 79,60             | 66,50              | 64,40              | 18,70                |
| 8  | Suyitno       | C8          | 39,50            | 75,20             | 65,60              | 69,10              | 19,60                |
| 9  | Warmino       | C9          | 43,20            | 80,40             | 69,40              | 62,80              | 19,20                |

lanjutan Tabel 9

|    |            |     |       |       |       |       |       |
|----|------------|-----|-------|-------|-------|-------|-------|
| 10 | Warmino    | C10 | 44,60 | 77,90 | 68,20 | 65,30 | 20,30 |
| 11 | Lamijan    | C11 | 48,70 | 86,00 | 70,10 | 75,20 | 19,10 |
| 12 | Lamijan    | C12 | 40,50 | 76,00 | 65,60 | 67,60 | 20,00 |
| 13 | Pian       | C13 | 38,80 | 74,50 | 63,80 | 64,40 | 19,40 |
| 14 | Warino     | C14 | 40,40 | 73,60 | 64,50 | 63,50 | 19,20 |
| 15 | Mursyid    | C15 | 41,70 | 77,10 | 65,00 | 67,30 | 18,30 |
| 16 | Ta'lim     | C16 | 42,60 | 75,30 | 63,70 | 64,40 | 20,10 |
| 17 | Mustafa    | C17 | 41,20 | 80,30 | 66,30 | 65,00 | 19,40 |
| 18 | Jamuri     | C18 | 44,80 | 83,50 | 68,00 | 70,50 | 20,30 |
| 19 | Eko        | C19 | 47,10 | 85,00 | 64,90 | 68,20 | 20,00 |
| 20 | Tukimin    | C20 | 40,90 | 77,80 | 69,70 | 66,80 | 19,50 |
| 21 | Suranto    | C21 | 41,50 | 74,60 | 65,40 | 64,60 | 19,20 |
| 22 | Supartiman | C22 | 39,20 | 79,80 | 63,80 | 63,90 | 20,20 |
| 23 | Abdullah   | C23 | 42,60 | 81,30 | 66,50 | 65,20 | 19,50 |
| 24 | Sutrisno   | C24 | 40,80 | 75,50 | 65,40 | 63,50 | 20,40 |
| 25 | Malik      | C25 | 41,60 | 74,80 | 67,70 | 64,00 | 19,30 |
| 26 | Supartiman | C26 | 41,40 | 77,40 | 64,60 | 67,00 | 20,10 |
| 27 | Supartiman | C27 | 40,70 | 78,50 | 63,80 | 63,40 | 20,00 |
| 28 | Rahmat     | C28 | 39,90 | 76,20 | 68,10 | 70,60 | 21,00 |
| 29 | Warno      | C29 | 41,30 | 80,40 | 65,30 | 75,30 | 19,20 |
| 30 | Supartiman | C30 | 43,50 | 85,50 | 62,70 | 66,80 | 19,30 |
| 31 | Nyamin     | C31 | 38,20 | 75,90 | 64,40 | 64,70 | 20,20 |
| 32 | Aripin     | C32 | 42,70 | 83,10 | 68,00 | 65,40 | 20,10 |
| 33 | Aripin     | C33 | 41,80 | 80,00 | 71,00 | 62,80 | 19,30 |
| 34 | Aripin     | C34 | 39,40 | 76,40 | 65,30 | 64,90 | 20,20 |
| 35 | Bejo       | C35 | 38,60 | 75,70 | 66,30 | 69,70 | 20,10 |
| 36 | Bejo       | C36 | 41,70 | 79,20 | 64,60 | 63,60 | 19,00 |
| 37 | Wasis      | C37 | 40,50 | 77,40 | 65,80 | 65,00 | 20,20 |
| 38 | Wasis      | C38 | 39,80 | 76,30 | 65,90 | 63,80 | 20,10 |
| 39 | Sutono     | C39 | 40,30 | 74,80 | 64,60 | 64,70 | 19,20 |
| 40 | Sutono     | C40 | 43,40 | 80,20 | 69,30 | 66,20 | 19,40 |
| 41 | Parman     | C41 | 41,80 | 78,50 | 67,50 | 68,80 | 20,30 |
| 42 | Dio        | C42 | 40,60 | 79,60 | 67,20 | 64,10 | 19,00 |
| 43 | Misni      | C43 | 38,40 | 79,00 | 66,90 | 68,30 | 20,00 |
| 44 | Wariono    | C44 | 35,90 | 76,00 | 64,60 | 66,50 | 19,40 |
| 45 | Matal      | C45 | 39,70 | 77,50 | 66,50 | 64,90 | 20,00 |
| 46 | Minto      | C46 | 41,50 | 79,30 | 68,00 | 63,70 | 19,30 |
| 47 | Sisu       | C47 | 38,80 | 76,70 | 65,90 | 65,40 | 20,10 |
| 48 | Ruslani    | C48 | 40,60 | 79,50 | 67,60 | 63,30 | 20,30 |
| 49 | Sumardi    | C49 | 38,30 | 75,40 | 65,40 | 66,00 | 19,20 |
| 50 | Suhendi    | C50 | 43,90 | 81,80 | 70,00 | 63,60 | 20,00 |
| 51 | Nurdiyanto | C51 | 37,70 | 74,70 | 62,50 | 62,90 | 19,40 |
| 52 | Sunaryo    | C52 | 38,60 | 76,20 | 64,30 | 64,70 | 19,20 |
| 53 | Ngatiran   | C53 | 40,20 | 80,50 | 68,60 | 65,80 | 20,20 |
| 54 | Sodikun    | C54 | 39,50 | 79,50 | 67,80 | 63,70 | 19,40 |
| 55 | Parmin     | C55 | 39,70 | 77,30 | 65,30 | 67,80 | 20,10 |

lanjutan Tabel 9

|    |                 |     |          |          |          |          |         |
|----|-----------------|-----|----------|----------|----------|----------|---------|
| 56 | Juari           | C56 | 38,70    | 74,60    | 63,60    | 64,50    | 19,20   |
| 57 | Ngaidi          | C57 | 39,40    | 75,80    | 65,70    | 65,70    | 19,30   |
| 58 | Paino           | C58 | 38,90    | 74,80    | 64,50    | 64,80    | 20,00   |
| 59 | Jumeno          | C59 | 40,50    | 76,70    | 66,80    | 66,50    | 19,20   |
| 60 | Solihin         | C60 | 39,70    | 78,50    | 67,50    | 65,60    | 20,10   |
|    | Jumlah          |     | 2.468,50 | 4.689,20 | 3.968,30 | 3.946,10 | 1.179,2 |
|    | Rata - rata     |     | 41,14    | 78,15    | 66,14    | 65,77    | 19,6533 |
|    | Nilai tertinggi |     | 48,70    | 86,00    | 71,00    | 75,30    | 21      |
|    | Nilai terendah  |     | 35,90    | 73,60    | 62,50    | 62,80    | 18,2    |
|    | Standar Deviasi |     | 2,40     | 3,00     | 2,00     | 2,61     | 0,54227 |

Tabel 10. Perhitungan Jumlah Kuadrat Bobot Tubuh Kambing Boerawa G1 dan G2.

| No | X <sub>1</sub> | (X <sub>1</sub> ) <sup>2</sup> | X <sub>2</sub> | (X <sub>2</sub> ) <sup>2</sup> |
|----|----------------|--------------------------------|----------------|--------------------------------|
| 1  | 38,4           | 1.474,56                       | 47,50          | 2.256,25                       |
| 2  | 36,2           | 1.310,44                       | 42,40          | 1.797,76                       |
| 3  | 37,0           | 1.369,00                       | 42,70          | 1.823,29                       |
| 4  | 33,5           | 1.122,25                       | 43,40          | 1.883,56                       |
| 5  | 35,3           | 1.246,09                       | 44,80          | 2.007,04                       |
| 6  | 34,7           | 1.204,09                       | 40,60          | 1.648,36                       |
| 7  | 32,5           | 1.056,25                       | 41,80          | 1.747,24                       |
| 8  | 35,2           | 1.239,04                       | 39,50          | 1.560,25                       |
| 9  | 38,3           | 1.466,89                       | 43,20          | 1.866,24                       |
| 10 | 36,0           | 1.296,00                       | 44,60          | 1.989,16                       |
| 11 | 31,5           | 992,25                         | 48,70          | 2.371,69                       |
| 12 | 34,0           | 1.156,00                       | 40,50          | 1.640,25                       |
| 13 | 36,0           | 1.296,00                       | 38,80          | 1.505,44                       |
| 14 | 33,6           | 1.128,96                       | 40,40          | 1.632,16                       |
| 15 | 35,4           | 1.253,16                       | 41,70          | 1.738,89                       |
| 16 | 32,2           | 1.036,84                       | 42,60          | 1.814,76                       |
| 17 | 34,0           | 1.156,00                       | 41,20          | 1.697,44                       |
| 18 | 31,5           | 992,25                         | 44,80          | 2.007,04                       |
| 19 | 35,0           | 1.225,00                       | 47,10          | 2.218,41                       |
| 20 | 34,8           | 1.211,04                       | 40,90          | 1.672,81                       |
| 21 | 36,3           | 1.317,69                       | 41,50          | 1.722,25                       |
| 22 | 32,4           | 1.049,76                       | 39,20          | 1.536,64                       |
| 23 | 34,0           | 1.156,00                       | 42,60          | 1.814,76                       |
| 24 | 33,0           | 1.089,00                       | 40,80          | 1.664,64                       |
| 25 | 36,0           | 1.296,00                       | 41,60          | 1.730,56                       |
| 26 | 35,2           | 1.239,04                       | 41,40          | 1.713,96                       |
| 27 | 37,3           | 1.391,29                       | 40,70          | 1.656,49                       |
| 28 | 36,3           | 1.317,69                       | 39,90          | 1.592,01                       |

lanjutan Tabel 10

|                        |               |                 |                 |                 |
|------------------------|---------------|-----------------|-----------------|-----------------|
| 29                     | 33,5          | 1.122,25        | 41,30           | 1.705,69        |
| 30                     | 36,4          | 1.324,96        | 43,50           | 1.892,25        |
| 31                     | 31,9          | 1.017,61        | 38,20           | 1.459,24        |
| 32                     | 35,5          | 1.260,25        | 42,70           | 1.823,29        |
| 33                     | 34,3          | 1.176,49        | 41,80           | 1.747,24        |
| 34                     | 36,2          | 1.310,44        | 39,40           | 1.552,36        |
| 35                     | 33,0          | 1.089,00        | 38,60           | 1.489,96        |
| 36                     | 35,0          | 1.225,00        | 41,70           | 1.738,89        |
| 37                     | 36,2          | 1.310,44        | 40,50           | 1.640,25        |
| 38                     | 34,4          | 1.183,36        | 39,80           | 1.584,04        |
| 39                     | 36,7          | 1.346,89        | 40,30           | 1.624,09        |
| 40                     | 33,5          | 1.122,25        | 43,40           | 1.883,56        |
| 41                     | 35,4          | 1.253,16        | 41,80           | 1.747,24        |
| 42                     | 37,5          | 1.406,25        | 40,60           | 1.648,36        |
| 43                     | 36,2          | 1.310,44        | 38,40           | 1.474,56        |
| 44                     | 33,8          | 1.142,44        | 35,90           | 1.288,81        |
| 45                     | 35,2          | 1.239,04        | 39,70           | 1.576,09        |
| 46                     | 37,5          | 1.406,25        | 41,50           | 1.722,25        |
| 47                     | 34,3          | 1.176,49        | 38,80           | 1.505,44        |
| 48                     | 36,5          | 1.332,25        | 40,60           | 1.648,36        |
| 49                     | 32,5          | 1.056,25        | 38,30           | 1.466,89        |
| 50                     | 34,1          | 1.162,81        | 43,90           | 1.927,21        |
| 51                     | 33,4          | 1.115,56        | 37,70           | 1.421,29        |
| 52                     | 34,8          | 1.211,04        | 38,60           | 1.489,96        |
| 53                     | 36,3          | 1.317,69        | 40,20           | 1.616,04        |
| 54                     | 35,3          | 1.246,09        | 39,50           | 1.560,25        |
| 55                     | 36,6          | 1.339,56        | 39,70           | 1.576,09        |
| 56                     | 32,3          | 1.043,29        | 38,70           | 1.497,69        |
| 57                     | 31,9          | 1.017,61        | 39,40           | 1.552,36        |
| 58                     | 36,4          | 1.324,96        | 38,90           | 1.513,21        |
| 59                     | 35,2          | 1.239,04        | 40,50           | 1.460,25        |
| 60                     | 33,7          | 1.135,69        | 39,70           | 1.576,09        |
| <b>Jumlah</b>          | <b>2091,1</b> | <b>73.053,4</b> | <b>2.468,50</b> | <b>256.183</b>  |
| <b>Rata-rata</b>       | <b>34,85</b>  | <b>1.217,55</b> | <b>41,14</b>    | <b>4.269,72</b> |
| <b>Standar Deviasi</b> | <b>1,72</b>   | <b>119,75</b>   | <b>2,40</b>     | <b>19924.63</b> |

Perhitungan t-student Bobot Tubuh Kambing Boerawa G1 ( $X_1$ ) dan G2 ( $X_2$ )

$$JK_1 = X_1^2 - \frac{(\sum X_1)^2}{n} = 73053,4 - \frac{(2091,1)^2}{60} = 72952,05$$

$$JK_2 = X_2^2 - \frac{(\sum X_2)^2}{n} = 256183 - \frac{(2468,50)^2}{60} = 154624,79$$

$$S_{x1-x2} = \sqrt{\frac{JK_1 + JK_2}{n_1 + n_2 - 2} \left( \frac{1}{n_1} + \frac{1}{n_2} \right)} = \sqrt{\frac{72952,05 + 154624,79}{60 + 60 - 2} \left( \frac{1}{60} + \frac{1}{60} \right)} = 18,58$$

$$t = \frac{|x_1 - x_2|}{S_{x_1 - x_2}} = \frac{|34,85 - 41,14|}{18,58} = -0,33$$

Tabel 11. Hasil Uji t-student Bobot Tubuh Kambing Boerawa G1 dan G2.

| Bangsa Kambing | Jumlah | Rata-rata | Sd   | t-hitung | t-tabel |
|----------------|--------|-----------|------|----------|---------|
| G1             | 60     | 34,85     | 1,72 | -0,33**  | 1.684   |
| G2             | 60     | 41,14     | 2,40 |          | 2.423   |

Keterangan : \*\*sangat berbeda nyata

Tabel 12. Perhitungan Jumlah Kuadrat Lingkaran Dada Kambing Boerawa G1 dan G2.

| No | X <sub>1</sub> | (X <sub>1</sub> ) <sup>2</sup> | X <sub>2</sub> | (X <sub>2</sub> ) <sup>2</sup> |
|----|----------------|--------------------------------|----------------|--------------------------------|
| 1  | 71,0           | 5.041,00                       | 84,50          | 7.140,25                       |
| 2  | 72,4           | 5.241,76                       | 76,30          | 5.821,69                       |
| 3  | 71,5           | 5.112,25                       | 79,20          | 6.272,64                       |
| 4  | 72,0           | 5.184,00                       | 81,00          | 6.561,00                       |
| 5  | 72,5           | 5.256,25                       | 74,70          | 5.580,09                       |
| 6  | 71,4           | 5.097,96                       | 76,40          | 5.836,96                       |
| 7  | 72,6           | 5.270,76                       | 79,60          | 6.336,16                       |
| 8  | 73,0           | 5.329,00                       | 75,20          | 5.655,04                       |
| 9  | 72,0           | 5.184,00                       | 80,40          | 6.464,16                       |
| 10 | 71,6           | 5.126,56                       | 77,90          | 6.068,41                       |
| 11 | 72,3           | 5.227,29                       | 86,00          | 7.396,00                       |
| 12 | 71,0           | 5.041,00                       | 76,00          | 5.776,00                       |
| 13 | 72,0           | 5.184,00                       | 74,50          | 5.550,25                       |
| 14 | 71,3           | 5.083,69                       | 73,60          | 5.416,96                       |
| 15 | 72,6           | 5.270,76                       | 77,10          | 5.944,41                       |
| 16 | 72,3           | 5.227,29                       | 75,30          | 5.670,09                       |
| 17 | 73,5           | 5.402,25                       | 80,30          | 6.938,89                       |
| 18 | 73,0           | 5.329,00                       | 83,50          | 6.972,25                       |
| 19 | 72,4           | 5.241,76                       | 85,00          | 7.225,00                       |
| 20 | 71,6           | 5.126,56                       | 77,80          | 6.052,84                       |
| 21 | 72,0           | 5.184,00                       | 74,60          | 5.565,16                       |
| 22 | 73,2           | 5.358,24                       | 79,80          | 6.368,04                       |
| 23 | 72,5           | 5.256,25                       | 81,30          | 6.609,69                       |
| 24 | 72,6           | 5.270,76                       | 75,50          | 5.700,25                       |
| 25 | 73,0           | 5.329,00                       | 74,80          | 5.595,04                       |
| 26 | 72,4           | 5.241,76                       | 77,40          | 5.990,76                       |
| 27 | 71,2           | 5.069,44                       | 78,50          | 6.162,25                       |

lanjutan Tabel 12

|                        |                |                 |                 |               |
|------------------------|----------------|-----------------|-----------------|---------------|
| 28                     | 71,3           | 5.083,69        | 76,20           | 5.806,44      |
| 29                     | 72,2           | 5.212,84        | 80,40           | 6.464,16      |
| 30                     | 72,3           | 5.227,29        | 85,50           | 7.310,25      |
| 31                     | 71,0           | 5.041,00        | 75,90           | 5.760,81      |
| 32                     | 71,1           | 5.055,21        | 83,10           | 6.905,61      |
| 33                     | 71,3           | 5.083,69        | 80,00           | 6.400,00      |
| 34                     | 72,2           | 5.212,84        | 76,40           | 5.836,96      |
| 35                     | 72,0           | 5.184,00        | 75,70           | 5.730,49      |
| 36                     | 71,4           | 5.097,96        | 79,20           | 6.272,64      |
| 37                     | 72             | 5.184,00        | 77,40           | 5.990,76      |
| 38                     | 73,2           | 5.358,24        | 76,30           | 5.821,69      |
| 39                     | 73,0           | 5.329,00        | 74,80           | 5.595,04      |
| 40                     | 71,5           | 5.112,25        | 80,20           | 6.432,04      |
| 41                     | 72,8           | 5.299,84        | 78,50           | 6.162,25      |
| 42                     | 72,4           | 5.241,76        | 79,60           | 6.336,16      |
| 43                     | 71,0           | 5.041,00        | 79,00           | 6.241,00      |
| 44                     | 72,0           | 5.184,00        | 76,00           | 5.776,00      |
| 45                     | 71,3           | 5.083,69        | 77,50           | 6.006,25      |
| 46                     | 71,6           | 5.126,56        | 79,30           | 6.288,49      |
| 47                     | 72,5           | 5.256,25        | 76,70           | 5.882,89      |
| 48                     | 71,4           | 5.097,96        | 79,50           | 6.320,25      |
| 49                     | 72,6           | 5.270,76        | 75,40           | 5.685,16      |
| 50                     | 71,0           | 5.041,00        | 81,80           | 6.691,24      |
| 51                     | 71,5           | 5.112,25        | 74,70           | 5.580,09      |
| 52                     | 72,3           | 5.227,29        | 76,20           | 5.806,44      |
| 53                     | 71,4           | 5.097,96        | 80,50           | 6.480,25      |
| 54                     | 72,0           | 5.184,00        | 79,50           | 6.320,25      |
| 55                     | 71,0           | 5.041,00        | 77,30           | 5.372,89      |
| 56                     | 71,6           | 5.126,56        | 74,60           | 5.565,16      |
| 57                     | 72,3           | 5.227,29        | 75,80           | 5.745,64      |
| 58                     | 72,5           | 5.256,25        | 74,80           | 5.595,04      |
| 59                     | 71,1           | 5.055,21        | 76,70           | 5.882,89      |
| 60                     | 71,5           | 5.112,25        | 78,50           | 6.162,25      |
| <b>Jumlah</b>          | <b>4.246,8</b> | <b>93.034</b>   | <b>4.689,20</b> | <b>45.375</b> |
| <b>Rata-rata</b>       | <b>71,97</b>   | <b>1.550,56</b> | <b>78,15</b>    | <b>756,25</b> |
| <b>Standar Deviasi</b> | <b>0,67</b>    | <b>109,14</b>   | <b>3,00</b>     | <b>639,70</b> |

Perhitungan t-student Lingkar Dada Kambing Boerawa G1 (X<sub>1</sub>) dan G2 (X<sub>2</sub>)

$$JK_1 = X_1^2 - \frac{(\sum X_1)^2}{n} = 93034 - \frac{(4246,8)^2}{60} = -207554,5$$

$$JK_2 = X_2^2 - \frac{(\sum X_2)^2}{n} = 45375 - \frac{(4689,20)^2}{60} = -321101,6$$

$$S_{x_1-x_2} = \sqrt{\frac{JK_1+JK_2}{n_1+n_2-2} \left( \frac{1}{n_1} + \frac{1}{n_2} \right)} = \sqrt{\frac{-207554,5 + -321101,6}{60+60-2} \left( \frac{1}{60} + \frac{1}{60} \right)} = -134,40$$

$$t = \frac{|x_1 - x_2|}{S_{x_1-x_2}} = \frac{|71,97 - 78,15|}{-134,40} = 0,04$$

Tabel 13. Hasil Uji t-student Lingkar Dada Kambing Boerawa G1 dan G2.

| Bangsa Kambing | Jumlah | Rata-rata | Sd   | t-hitung | t-tabel |
|----------------|--------|-----------|------|----------|---------|
| G1             | 60     | 71,97     | 0,67 |          | 1.684   |
|                |        |           |      | 0,04**   |         |
| G2             | 60     | 78,15     | 3,00 |          | 2.423   |

Keterangan : \*\*sangat berbeda nyata

Tabel 14. Perhitungan Jumlah Kuadrat Panjang Badan Kambing Boerawa G1 dan G2.

| No | X <sub>1</sub> | (X <sub>1</sub> ) <sup>2</sup> | X <sub>2</sub> | (X <sub>2</sub> ) <sup>2</sup> |
|----|----------------|--------------------------------|----------------|--------------------------------|
| 1  | 62,0           | 3.844                          | 67,40          | 4.542,76                       |
| 2  | 63,0           | 3.969                          | 64,60          | 4.173,16                       |
| 3  | 61,0           | 3.721                          | 68,30          | 4.664,89                       |
| 4  | 62,0           | 3.844                          | 63,40          | 4.019,56                       |
| 5  | 64,0           | 4.096                          | 65,70          | 4.316,49                       |
| 6  | 64,0           | 4.096                          | 62,90          | 3.956,41                       |
| 7  | 61,0           | 3.721                          | 66,50          | 4.422,25                       |
| 8  | 65,0           | 4.225                          | 65,60          | 4.303,36                       |
| 9  | 66,0           | 4.356                          | 69,40          | 4.816,36                       |
| 10 | 63,0           | 3.969                          | 68,20          | 4.651,24                       |
| 11 | 62,0           | 3.844                          | 70,10          | 4.914,01                       |
| 12 | 64,0           | 4.096                          | 65,60          | 4.303,36                       |
| 13 | 63,0           | 3.969                          | 63,80          | 4.070,44                       |
| 14 | 65,0           | 4.225                          | 64,50          | 4.160,25                       |
| 15 | 61,0           | 3.721                          | 65,00          | 4.225,00                       |
| 16 | 66,0           | 4.356                          | 63,70          | 4.057,69                       |
| 17 | 68,0           | 4.624                          | 66,30          | 4.395,69                       |
| 18 | 64,0           | 4.096                          | 68,00          | 4.624,00                       |
| 19 | 63,0           | 3.969                          | 64,90          | 4.212,01                       |
| 20 | 64,0           | 4.096                          | 69,70          | 4.858,09                       |
| 21 | 69,0           | 4.761                          | 65,40          | 4.277,16                       |



lanjutan Tabel 14.

|                        |              |                 |                 |                 |
|------------------------|--------------|-----------------|-----------------|-----------------|
| 22                     | 65,0         | 4.225           | 63,80           | 4.070,44        |
| 23                     | 62,0         | 3.844           | 66,50           | 4.422,25        |
| 24                     | 67,0         | 4.489           | 65,40           | 4.277,16        |
| 25                     | 64,0         | 4.096           | 67,70           | 4.583,29        |
| 26                     | 71,0         | 5.041           | 64,60           | 4.173,16        |
| 27                     | 65,0         | 4.225           | 63,80           | 4.070,44        |
| 28                     | 61,0         | 3.721           | 68,10           | 4.637,61        |
| 29                     | 62,0         | 3.844           | 65,30           | 4.264,09        |
| 30                     | 68,0         | 4.624           | 62,70           | 3.931,29        |
| 31                     | 62,0         | 3.844           | 64,40           | 4.147,36        |
| 32                     | 65,0         | 4.225           | 68,00           | 4.624,00        |
| 33                     | 62,0         | 3.844           | 71,00           | 5.041,00        |
| 34                     | 63,0         | 3.969           | 65,30           | 4.264,09        |
| 35                     | 63,0         | 3.969           | 66,30           | 4.395,69        |
| 36                     | 61,0         | 3.721           | 64,60           | 4.173,16        |
| 37                     | 61,0         | 3.721           | 65,80           | 4.329,64        |
| 38                     | 63,0         | 3.969           | 65,90           | 4.342,81        |
| 39                     | 62,0         | 3.844           | 64,60           | 4.173,16        |
| 40                     | 65,0         | 4.225           | 69,30           | 4.802,49        |
| 41                     | 63,0         | 3.969           | 67,50           | 4.556,25        |
| 42                     | 65,0         | 4.225           | 67,20           | 4.515,84        |
| 43                     | 69,0         | 4.761           | 66,90           | 4.475,61        |
| 44                     | 63,0         | 3.969           | 64,60           | 4.173,16        |
| 45                     | 62,0         | 3.844           | 66,50           | 4.422,25        |
| 46                     | 63,0         | 3.969           | 68,00           | 4.624,00        |
| 47                     | 64,0         | 4.096           | 65,90           | 4.342,81        |
| 48                     | 61,0         | 3.721           | 67,60           | 4.569,76        |
| 49                     | 63,0         | 3.969           | 65,40           | 4.277,16        |
| 50                     | 67,0         | 4.489           | 70,00           | 4.900,00        |
| 51                     | 62,0         | 3.844           | 62,50           | 3.906,25        |
| 52                     | 63,0         | 3.969           | 64,30           | 4.134,49        |
| 53                     | 66,0         | 4.356           | 68,60           | 4.705,96        |
| 54                     | 71,0         | 5.041           | 67,80           | 4.596,84        |
| 55                     | 64,0         | 4.096           | 65,30           | 4.264,09        |
| 56                     | 63,0         | 3.969           | 63,60           | 4.044,96        |
| 57                     | 63,0         | 3.969           | 65,70           | 4.316,49        |
| 58                     | 62,0         | 3.844           | 64,50           | 4.160,25        |
| 59                     | 65,0         | 4.225           | 66,80           | 4.462,24        |
| 60                     | 63,0         | 3.969           | 67,50           | 4.556,25        |
| <b>Jumlah</b>          | <b>3.834</b> | <b>245.332</b>  | <b>3.968,30</b> | <b>262.692</b>  |
| <b>Rata-rata</b>       | <b>63,9</b>  | <b>4.088,87</b> | <b>66,14</b>    | <b>4.378,20</b> |
| <b>Standar Deviasi</b> | <b>2,39</b>  | <b>313,393</b>  | <b>2,00</b>     | <b>265,596</b>  |

Perhitungan t-student Panjang Badan Kambing Boerawa G1 (X<sub>1</sub>) dan G2 (X<sub>2</sub>)

$$JK_1 = X_1^2 - \frac{(\sum X_1)^2}{n} = 245332 - \frac{(3834)^2}{60} = 339,4$$

$$JK_2 = X_2^2 - \frac{(\sum X_2)^2}{n} = 262692 - \frac{(3968,30)^2}{60} = 235,26$$

$$S_{x_1-x_2} = \sqrt{\frac{JK_1+JK_2}{n_1+n_2-2} \left( \frac{1}{n_1} + \frac{1}{n_2} \right)} = \sqrt{\frac{339,4+235,26}{60+60-2} \left( \frac{1}{60} + \frac{1}{60} \right)} = 0,14$$

$$t = \frac{|x_1 - x_2|}{S_{x_1-x_2}} = \frac{|63,9-66,14|}{0,14} = -16$$

Tabel 15. Hasil Uji t-student Panjang Badan Kambing Boerawa G1 dan G2.

| Bangsa Kambing | Jumlah | Rata-rata | Sd   | t-hitung | t-tabel |
|----------------|--------|-----------|------|----------|---------|
| G1             | 60     | 63,9      | 2,39 |          | 1.684   |
|                |        |           |      | -16**    |         |
| G2             | 60     | 66,14     | 2,00 |          | 2.423   |

keterangan : \*\*sangat berbeda nyata

Tabel 16. Perhitungan Jumlah Kuadrat Tinggi Pundak Kambing Boerawa G1 dan G2.

| No | X <sub>1</sub> | (X <sub>1</sub> ) <sup>2</sup> | X <sub>2</sub> | (X <sub>2</sub> ) <sup>2</sup> |
|----|----------------|--------------------------------|----------------|--------------------------------|
| 1  | 65,0           | 4.225                          | 64,00          | 4.096,00                       |
| 2  | 68,0           | 4.624                          | 63,40          | 4.019,56                       |
| 3  | 67,0           | 4.489                          | 65,20          | 4.251,04                       |
| 4  | 69,0           | 4.761                          | 66,00          | 4.356,00                       |
| 5  | 72,0           | 5.184                          | 63,60          | 4.044,96                       |
| 6  | 73,0           | 5.329                          | 67,70          | 4.583,29                       |
| 7  | 68,0           | 4.624                          | 64,40          | 4.147,36                       |
| 8  | 73,0           | 5.329                          | 69,10          | 4.774,81                       |
| 9  | 74,0           | 5.476                          | 62,80          | 3.943,84                       |
| 10 | 70,0           | 4.900                          | 65,30          | 4.264,09                       |
| 11 | 69,0           | 4.761                          | 75,20          | 5.655,04                       |
| 12 | 73,0           | 5.329                          | 67,60          | 4.569,76                       |
| 13 | 69,0           | 4.761                          | 64,40          | 4.147,36                       |
| 14 | 73,0           | 5.329                          | 63,50          | 4.032,25                       |
| 15 | 67,0           | 4.489                          | 67,30          | 4.529,29                       |
| 16 | 75,0           | 5.625                          | 64,40          | 4.147,36                       |
| 17 | 75,0           | 5.625                          | 65,00          | 4.225,00                       |

lanjutan Tabel 16

|                        |              |                 |                 |                  |
|------------------------|--------------|-----------------|-----------------|------------------|
| 18                     | 73,0         | 5.329           | 70,50           | 4.970,25         |
| 19                     | 71,0         | 5.041           | 68,20           | 4.651,24         |
| 20                     | 72,0         | 5.184           | 66,80           | 4.462,24         |
| 21                     | 76,0         | 5.776           | 64,60           | 4.173,16         |
| 22                     | 74,0         | 5.476           | 63,90           | 4.083,21         |
| 23                     | 69,0         | 4.761           | 65,20           | 4.251,04         |
| 24                     | 74,0         | 5.476           | 63,50           | 4.032,25         |
| 25                     | 73,0         | 5.329           | 64,00           | 4.096,00         |
| 26                     | 77,0         | 5.929           | 67,00           | 4.489,00         |
| 27                     | 74,0         | 5.476           | 63,40           | 4.019,56         |
| 28                     | 64,0         | 4.096           | 70,60           | 4.984,36         |
| 29                     | 71,0         | 5.041           | 75,30           | 5.670,09         |
| 30                     | 75,0         | 5.625           | 66,80           | 4.462,24         |
| 31                     | 70,0         | 4.900           | 64,70           | 4.186,09         |
| 32                     | 74,0         | 5.476           | 65,40           | 4.277,16         |
| 33                     | 68,0         | 4.624           | 62,80           | 3.943,84         |
| 34                     | 70,0         | 4.900           | 64,90           | 4.212,01         |
| 35                     | 69,0         | 4.761           | 69,70           | 4.858,09         |
| 36                     | 64,0         | 4.096           | 63,60           | 4.044,96         |
| 37                     | 66,0         | 4.356           | 65,00           | 4.225,00         |
| 38                     | 74,0         | 5.476           | 63,80           | 4.070,44         |
| 39                     | 71,0         | 5.041           | 64,70           | 4.186,09         |
| 40                     | 75,0         | 5.625           | 66,20           | 4.382,44         |
| 41                     | 70,0         | 4.900           | 68,80           | 4.733,44         |
| 42                     | 74,0         | 5.476           | 64,10           | 4.108,81         |
| 43                     | 75,0         | 5.625           | 68,30           | 4.664,89         |
| 44                     | 69,0         | 4.761           | 66,50           | 4.422,25         |
| 45                     | 70,0         | 4.900           | 64,90           | 4.212,01         |
| 46                     | 69,0         | 4.761           | 63,70           | 4.057,69         |
| 47                     | 73,0         | 5.329           | 65,40           | 4.277,16         |
| 48                     | 67,0         | 4.489           | 63,30           | 4.006,89         |
| 49                     | 72,0         | 5.184           | 66,00           | 4.356,00         |
| 50                     | 73,0         | 5.329           | 63,60           | 4.044,96         |
| 51                     | 69,0         | 4.761           | 62,90           | 3.956,41         |
| 52                     | 69,0         | 4.761           | 64,70           | 4.186,09         |
| 53                     | 75,0         | 5.625           | 65,80           | 4.329,64         |
| 54                     | 74,0         | 5.476           | 63,70           | 4.057,69         |
| 55                     | 72,0         | 5.184           | 67,80           | 4.596,84         |
| 56                     | 70,0         | 4.900           | 64,50           | 4.160,26         |
| 57                     | 72,0         | 5.184           | 65,70           | 4.316,49         |
| 58                     | 68,0         | 4.624           | 64,80           | 4.199,04         |
| 59                     | 73,0         | 5.329           | 66,50           | 4.422,25         |
| 60                     | 72,0         | 5.184           | 65,60           | 4.303,36         |
| <b>Jumlah</b>          | <b>4.270</b> | <b>304.436</b>  | <b>3.946,10</b> | <b>259.929,9</b> |
| <b>Rata-rata</b>       | <b>71,16</b> | <b>5.073,93</b> | <b>65,77</b>    | <b>4.332,16</b>  |
| <b>Standar Deviasi</b> | <b>3,06</b>  | <b>432,742</b>  | <b>2,61</b>     | <b>355,46</b>    |

$$JK_1 = X_1^2 - \frac{(\sum x_1)^2}{n} = 304436 - \frac{(4270)^2}{60} = 554,33$$

$$JK_2 = X_2^2 - \frac{(\sum x_2)^2}{n} = 259929,9 - \frac{(3946,10)^2}{60} = 401,48$$

$$S_{x_1-x_2} = \sqrt{\frac{JK_1+JK_2}{n_1+n_2-2} \left( \frac{1}{n_1} + \frac{1}{n_2} \right)} = \sqrt{\frac{554,33+401,48}{60+60-2} \left( \frac{1}{60} + \frac{1}{60} \right)} = 0,24$$

$$t = \frac{|x_1 - x_2|}{S_{x_1-x_2}} = \frac{|71,16 - 65,77|}{0,24} = 22,45$$

Tabel 17. Hasil Uji t-student Tinggi Pundak Kambing Boerawa G1 dan G2.

| Bangsa Kambing | Jumlah | Rata-rata | Sd   | t-hitung | t-tabel |
|----------------|--------|-----------|------|----------|---------|
| G1             | 60     | 71,16     | 3,06 |          | 1.684   |
|                |        |           |      | 22,45**  |         |
| G2             | 60     | 65,77     | 2,61 |          | 2.423   |

Keterangan : \*\*sangat berbeda nyata

Tabel 18. Perhitungan Jumlah Kuadrat Panjang Telinga Kambing Boerawa G1 dan G2.

| No | X <sub>1</sub> | (X <sub>1</sub> ) <sup>2</sup> | X <sub>2</sub> | (X <sub>2</sub> ) <sup>2</sup> |
|----|----------------|--------------------------------|----------------|--------------------------------|
| 1  | 21,30          | 453,69                         | 18,20          | 331.24                         |
| 2  | 20,10          | 404,01                         | 20,00          | 400.00                         |
| 3  | 22,00          | 484,00                         | 19,40          | 376.36                         |
| 4  | 21,20          | 449,44                         | 19,30          | 372.49                         |
| 5  | 19,50          | 380,25                         | 20,00          | 400.00                         |
| 6  | 21,20          | 449,44                         | 19,50          | 380.25                         |
| 7  | 23,00          | 529,00                         | 18,70          | 349.69                         |
| 8  | 21,40          | 457,96                         | 19,60          | 384.16                         |
| 9  | 20,60          | 424,36                         | 19,20          | 368.64                         |
| 10 | 22,00          | 484,00                         | 20,30          | 412.09                         |
| 11 | 21,60          | 466,56                         | 19,10          | 364.81                         |
| 12 | 19,80          | 392,04                         | 20,00          | 400.00                         |
| 13 | 20,70          | 428,49                         | 19,40          | 376.36                         |
| 14 | 22,10          | 488,41                         | 19,20          | 368.64                         |
| 15 | 19,80          | 392,04                         | 18,30          | 334.89                         |
| 16 | 23,20          | 538,24                         | 20,10          | 404.01                         |
| 17 | 21,40          | 457,96                         | 19,40          | 376.36                         |
| 18 | 20,20          | 408,04                         | 20,30          | 412.09                         |

lanjutan Tabel 18

|                        |                 |                  |                |                  |
|------------------------|-----------------|------------------|----------------|------------------|
| 19                     | 22,00           | 484,00           | 20,00          | 400.00           |
| 20                     | 20,50           | 420,25           | 19,50          | 19,50            |
| 21                     | 23,00           | 529,00           | 19,20          | 368.64           |
| 22                     | 21,40           | 457,96           | 20,20          | 368.64           |
| 23                     | 19,70           | 388,09           | 19,50          | 380.25           |
| 24                     | 22,50           | 506,25           | 20,40          | 416.16           |
| 25                     | 20,30           | 412,09           | 19,30          | 372.49           |
| 26                     | 21,60           | 466,56           | 20,10          | 404.01           |
| 27                     | 20,80           | 432,64           | 20,00          | 400.00           |
| 28                     | 23,20           | 538,24           | 21,00          | 441.00           |
| 29                     | 21,60           | 466,56           | 19,20          | 368.64           |
| 30                     | 21,70           | 470,89           | 19,30          | 372.49           |
| 31                     | 20,50           | 420,25           | 20,20          | 368.64           |
| 32                     | 19,70           | 388,09           | 20,10          | 404.01           |
| 33                     | 23,00           | 529,00           | 19,30          | 372.49           |
| 34                     | 20,60           | 424,36           | 20,20          | 368.64           |
| 35                     | 21,30           | 453,69           | 20,10          | 404.01           |
| 36                     | 29,80           | 888,04           | 19,00          | 361.00           |
| 37                     | 20,90           | 436,81           | 20,20          | 368.64           |
| 38                     | 21,20           | 449,44           | 20,10          | 404.01           |
| 39                     | 19,70           | 388,09           | 19,20          | 368.64           |
| 40                     | 21,30           | 453,69           | 19,40          | 376.36           |
| 41                     | 20,60           | 424,36           | 20,30          | 412.09           |
| 42                     | 21,50           | 462,25           | 19,00          | 361.00           |
| 43                     | 22,10           | 488,41           | 20,00          | 400.00           |
| 44                     | 20,90           | 436,81           | 19,40          | 376.36           |
| 45                     | 22,00           | 484,00           | 20,00          | 400.00           |
| 46                     | 20,70           | 428,49           | 19,30          | 372.49           |
| 47                     | 19,80           | 392,04           | 20,10          | 404.01           |
| 48                     | 21,00           | 441,00           | 20,30          | 412.09           |
| 49                     | 20,40           | 416,16           | 19,20          | 368.64           |
| 50                     | 22,20           | 492,84           | 20,00          | 400.00           |
| 51                     | 20,60           | 424,36           | 19,40          | 376.36           |
| 52                     | 20,80           | 432,64           | 19,20          | 368.64           |
| 53                     | 21,40           | 457,96           | 20,20          | 368.64           |
| 54                     | 20,70           | 428,29           | 19,40          | 376.36           |
| 55                     | 22,00           | 484,00           | 20,10          | 404.01           |
| 56                     | 21,20           | 449,44           | 19,20          | 368.64           |
| 57                     | 20,50           | 420,25           | 19,30          | 372.49           |
| 58                     | 21,40           | 457,96           | 20,00          | 400.00           |
| 59                     | 20,60           | 424,36           | 19,20          | 368.64           |
| 60                     | 21,10           | 445,21           | 20,10          | 404.01           |
| <b>Jumlah</b>          | <b>1.267,90</b> | <b>27.382,75</b> | <b>1.179,2</b> | <b>22.615,31</b> |
| <b>Rata-rata</b>       | <b>21,13</b>    | <b>456.3792</b>  | <b>19,6533</b> | <b>383,3103</b>  |
| <b>Standar Deviasi</b> | <b>0,93</b>     | <b>68,95397</b>  | <b>0,54</b>    | <b>20,86577</b>  |

$$JK_1 = X_1^2 - \frac{(\sum x_1)^2}{n} = 27382.75 - \frac{(1267,90)^2}{60} = 589,91$$

$$JK_2 = X_2^2 - \frac{(\sum x_2)^2}{n} = 22615.31 - \frac{(1179,2)^2}{60} = -559,9$$

$$S_{x_1-x_2} = \sqrt{\frac{JK_1+JK_2}{n_1+n_2-2} \left( \frac{1}{n_1} + \frac{1}{n_2} \right)} = \sqrt{\frac{589,91+(-559,9)}{60+60-2} \left( \frac{1}{60} + \frac{1}{60} \right)} = 0,007$$

$$t = \frac{|x_1 - x_2|}{S_{x_1-x_2}} = \frac{|21,13 - 19,65|}{0,007} = 211,42$$

Tabel 19. Hasil Uji t-student Tinggi Pundak Kambing Boerawa G1 dan G2.

| Bangsa Kambing | Jumlah | Rata-rata | Sd   | t-hitung | t-tabel |
|----------------|--------|-----------|------|----------|---------|
| G1             | 60     | 21,13     | 0,93 | 211,42** | 1.684   |
| G2             | 60     | 19,65     | 0,54 |          | 2.423   |

Keterangan : \*\*sangat berbeda nyata

Table 20. Suhu Lingkungan di Kecamatan Gisting pada Juni 2012.

| Hari ke   | 07.00-08.00 | 12.00-13.00 | 17.00-18.00 |
|-----------|-------------|-------------|-------------|
| 1         | 21          | 28          | 25          |
| 2         | 22          | 28          | 26          |
| 3         | 22          | 29          | 27          |
| 4         | 21          | 28          | 26          |
| 5         | 22          | 29          | 25          |
| 6         | 21          | 28          | 25          |
| 7         | 22          | 28          | 26          |
| Jumlah    | <b>151</b>  | <b>197</b>  | <b>180</b>  |
| Rata-rata | <b>21,5</b> | <b>28,2</b> | <b>25,7</b> |

Tabel 21. Kelembapan Udara di Kecamatan Gisting pada Juni 2012.

| Hari ke   | <b>07.00-08.00</b> | <b>12.00-13.00</b> | <b>17.00-18.00</b> |
|-----------|--------------------|--------------------|--------------------|
| 1         | 96                 | 62                 | 72                 |
| 2         | 95                 | 63                 | 71                 |
| 3         | 95                 | 61                 | 72                 |
| 4         | 96                 | 63                 | 73                 |
| 5         | 94                 | 62                 | 72                 |
| 6         | 95                 | 62                 | 73                 |
| 7         | 96                 | 62                 | 72                 |
| Jumlah    | <b>667</b>         | <b>435</b>         | <b>505</b>         |
| Rata-rata | <b>95,2</b>        | <b>62,1</b>        | <b>72,1</b>        |