**UJI t DUA SAMPEL *SHOW AND TELL***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **x1** | **x2** | **x12** | **x22** | **x1.x2** |
| 1 | 81.25 | 66.65 | 6601.56 | 4442.22 | 5415.31 |
| 2 | 70.8 | 72.9 | 5012.64 | 5314.41 | 5161.32 |
| 3 | 75 | 70.85 | 5625 | 5019.72 | 5313.75 |
| 4 | 79.2 | 66.65 | 6272.64 | 4442.22 | 5278.68 |
| 5 | 79.15 | 68.75 | 6264.72 | 4726.56 | 5441.56 |
| 6 | 79.15 | 75 | 6264.72 | 5625 | 5936.25 |
| 7 | 77.05 | 70.85 | 5936.7 | 5019.72 | 5458.99 |
| 8 | 77.1 | 72.9 | 5944.41 | 5314.41 | 5620.59 |
| 9 | 77.1 | 77.1 | 5944.41 | 5944.41 | 5944.41 |
| 10 | 83.3 | 70.8 | 6938.89 | 5012.64 | 5897.64 |
| 11 | 75 | 75 | 5625 | 5625 | 5625 |
| 12 | 79.15 | 68.75 | 6264.72 | 4726.56 | 5441.56 |
| 13 | 81.25 | 66.65 | 6601.56 | 4442.22 | 5415.31 |
| 14 | 74.95 | 68.75 | 5617.5 | 4726.56 | 5152.81 |
| 15 | 77.1 | 52.1 | 5944.41 | 2714.41 | 4016.91 |
| 16 | 70.8 | 75 | 5012.64 | 5625 | 5310 |
| 17 | 81.25 | 64.55 | 6601.56 | 4166.7 | 5244.69 |
| 18 | 77.1 | 66.65 | 5944.41 | 4442.22 | 5138.72 |
| 19 | 79.15 | 70.8 | 6264.72 | 5012.64 | 5603.82 |
| 20 | 81.25 | 70.8 | 6601.56 | 5012.64 | 5752.5 |
| 21 | 77.1 | 68.75 | 5944.41 | 4726.56 | 5300.63 |
| 22 | 64.6 | 66.6 | 4173.16 | 4435.56 | 4302.36 |
| 23 | 79.15 | 72.9 | 6264.72 | 5314.41 | 5770.04 |
| Jumlah | 1776.95 | 1599.75 | 137666 | 111832 | 123543 |
| Rata-rata | 77.26 | 69.55 |   |   |   |

1. **Hipotesis yang diajukan**

H0 : Tidak ada perbedaan antara keterampilan berkomunikasi yang menggunakan model pembelajaran *Show and Tell* dengan model konvensional

Ha : Keterampilan berkomunikasi siswa yang menggunakan model pembelajaran *Show and Tell* lebih baik daripada hasil belajar model konvensional

1. **Rumus yang digunakan**



Keterangan:

 : rata-rata sampel 1

 : rata-rata sampel 2

S1 : simpangan baku sampel 1

S2 : simpangan baku sampel 2

S12 : varians sampel 1

S22 : varians sampel 2

r : korelasi antara dua sampel

1. **Kritreria pengujian hipotesis**

Dengan dk=44 dan taraf kesalahan 5% maka diperoleh ttabel=2,02. Kriteria pengujian hipotesis dapat diterima bila harga thitung >ttabel

S12 = $\frac{23x137666-(1776,95)^{2}}{23(23-1)}$

**=** $\frac{3166318-3157551,3}{23.22}$

**=** $\frac{8766,7}{506}$

**=** 17,32

S1= $\sqrt{17,32}$

 = 4,16

S22 = $\frac{23x111832-(1599,75)^{2}}{23(23-1)}$

**=** $\frac{2572136-2559200,06}{23.22}$

**=** $\frac{12935,94}{506}$

**=** 25,56

S2= $\sqrt{25,56}$

 = 5,05

S1= 4,16 S12= 17,32 N=23

S2=5,05 S22= 25,56

r x1x2 = $\frac{n \sum\_{}^{}x\_{1} x\_{2}- (\sum\_{}^{}x\_{1})(\sum\_{}^{}x\_{2})}{\sqrt{\left(n \sum\_{}^{}x\_{1 }^{2}-(x\_{1})^{2}\right)(n \sum\_{}^{}x\_{2}^{2 }–(x\_{2})^{2}}}$

=$\frac{23.123543- (1776,95)(1599,75)}{\sqrt{\left(23.137666-\left(1776,95\right)^{2}\right)(23.111832-(1599,75)^{2}}}$

=$\frac{2841489-2842675,76}{\sqrt{\left(8766,7\right)(12935,94)}}$

=$\frac{-1186,76}{\sqrt{113405505}}$

=$\frac{-1186,76}{10649,2}$

= -0,1114

t = $\frac{\overline{x}\_{1}-\overline{x}\_{2}}{\sqrt{\frac{S1^{2}}{n\_{1}}+\frac{S2^{2}}{n\_{1}}-2r\left(\frac{S\_{1}}{√n\_{1}}\right)\left(\frac{S\_{2}}{√n\_{2}}\right)}}$

= $\frac{77,26-69,55}{\sqrt{\frac{17,32}{23}+\frac{25,56}{23}-2.(-0,1114)\left(\frac{4,16}{√23}\right)\left(\frac{5,05}{√23}\right)}}$

= $\frac{7,7}{\sqrt{\frac{42,88}{23}-(-0,2228)\left(\frac{21,008}{23}\right)}}$

= $\frac{7,7}{\sqrt{\frac{42,88}{23}+\left(\frac{4,68}{23}\right)}}$

= $\frac{7,7}{\sqrt{2,068}}$

=$\frac{7,7}{1,44}$

=5,347

1. **Kesimpulan**

Berdasarkan perhitungan uji t maka diperoleh nilai thitung=5,347 dan ttabel=2,02. Karena nilai thitung>ttabel yaitu 5,347>2,02 maka hipotesis yang diajukan dapat diterima. Dengan demikian dapat disimpulkan bahwa keterampilan berkomunikasi siswa yang menggunakan model pembelajaran *Show and Tell* lebih baik daripada hasil belajar model konvensional.