

Lampiran 1

Daftar Hasil Tes Perbandingan Daya Tahan Jantung Paru Perokok Aktif Pada Komunitas Motor *Touring* Tali Persaudaraan *Community*

NO	NAMA	LEVEL	BALIKAN	VO ₂ Max
1	Ricky Dolly	7	7	38,8
2	Lido Yuliyanto	5	6	31,8
3	Alexsander F	2	7	22,1
4	Zibanes	7	7	38,8
5	Irfan Zulmiadi	6	3	33,9
6	Robby	5	8	32,5
7	Rahmad parwidi	2	7	22,1
8	Heri Irawan	5	6	31,8
9	Reza Setiawan	6	9	36,0
10	Karyono	4	5	27,9
	JUMLAH	49	65	315,7

Perhitungan Perbandingan Daya Tahan Jantung Paru Perokok Aktif

No	X_1	MX_1	$X_1 - MX_1$	$(X_1 - MX_1)^2$
1	38.80	31.57	7.23	52.27
2	31.80	31.57	0.23	0.05
3	22.10	31.57	-9.47	89.68
4	38.80	31.57	7.23	52.27
5	33.90	31.57	2.33	5.43
6	32.50	31.57	0.93	0.86
7	22.10	31.57	-9.47	89.68
8	31.80	31.57	0.23	0.05
9	36.00	31.57	4.43	19.62
10	27.90	31.57	-3.67	13.47
ΣX_1	315.70			
$\Sigma (X_1 - MX_1)^2$	323.40			

LAMPIRAN 2

Daftar Hasil Tes Perbandingan Daya Tahan Jantung Paru Perokok Pasif Pada Komunitas Motor *Touring Tali Persaudaraan Community*

NO	NAMA	LEVEL	BALIKAN	VO ₂ Max
1	Alfian Ramadhan	9	4	44,5
2	Muhtar Arifin	5	6	31,8
3	Tubagus karaeng	9	6	45,2
4	Wahyu Nur Utomo	7	6	38,5
5	Eka Saputra	7	1	36,7
6	Andri Saputro	9	6	45,2
7	Ilham Khoirum H	7	5	38,1
8	Samsudin	8	4	41,1
9	Ahmad Salafuddin	5	2	30,2
10	Seno Ajie S	6	3	33,9
	JUMLAH	72	43	385.2

Perhitungan Perbandingan Daya Tahan Jantung Paru Perokok Pasif

NO	X_2	MX_2	$X_2 - MX_2$	$(X_2 - MX_2)^2$
1	44.5	38.52	5.98	35.8
2	31.8	38.52	-6.72	45.2
3	45.2	38.52	6.68	44.6
4	38.5	38.52	-0.02	0.0
5	36.7	38.52	-1.82	3.3
6	45.2	38.52	6.68	44.6
7	38.1	38.52	-0.42	0.2
8	41.1	38.52	2.58	6.7
9	30.2	38.52	-8.32	69.2
10	33.9	38.52	-4.62	21.3
ΣX_2	385.20			
$\Sigma(X_2 - MX_2)^2$	270.88			

Lampiran 3

Langkah – Langkah Perhatian Distribusi Frekuensi.

A. Variabel Daya Tahan Jantung Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 38,88 - 22,1 \\ &= 16,78 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{16.78}{4} \\ &= 4,195 \end{aligned}$$

B. Variabel Daya Tahan Jantung Paru Perokok Pasif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 45,2 - 30.2 \\ &= 15 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{15}{4} \\ &= 3.75 \end{aligned}$$

Lampiran 4

Langkah – Langkah perhitungan.

A. Menghitung Rata – rata dan Simpangan Baku

a. Variabel Daya Tahan Jantung Paru Perokok Aktif (X_1)

Diketahui :

$$\Sigma X_1 = 315.7$$

$$\Sigma (X_1 - MX_1)^2 = 323.4$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{315.7}{10} \\ &= 31.57 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\Sigma (X_1 - MX_1)^2}{n}} \\ &= \sqrt{\frac{323.4}{10}} \\ &= \sqrt{32.34} \\ &= 5.69 \end{aligned}$$

$$3. \text{ Varians} = 32.34$$

b. Variabel Daya Tahan Jantung Paru Perokok Pasif (X_2)

Diketahui :

$$\Sigma X_2 = 315.7$$

$$\Sigma (X_2 - MX_2)^2 = 323.4$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata - Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{385.2}{10} \\ &= 38.52 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\Sigma (X_2 - MX_2)^2}{n}} \\ &= \sqrt{\frac{270.88}{10}} \\ &= \sqrt{27.088} \\ &= 5.2 \end{aligned}$$

$$3. \text{ Varians} = 27.09$$

LAMPIRAN 5

**Antropometri Perokok Aktif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

No	Nama	TINGGI BADAN	TINGGI DUDUK	RENTANG TANGAN	PANJANG TANGAN	BERAT BADAN
		Cm	Cm	Cm	Cm	Kg
1	Ricky Dolly	170	99	179	100	76
2	Lido Yuliyanto	170	95	168	97	70
3	Alexsander F	166	95	180	99	59
4	Zibanes	167	72	168	98	57
5	Irfan Zulmiadi	169	93	177	85	75
6	Robby	165	95	179	85	65
7	Rahmad parwidi	161	96	180	98	70
8	Heri Irawan	170	96	153	98	55
9	Reza Setiawan	173	97	165	90	65
10	Karyono	167	98	178	97	70

LAMPIRAN 6

**Tinggi Badan Perokok Aktif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

No	X_1	MX_1	$X_1 - MX_1$	$(X_1 - MX_1)^2$
1	170	167.80	2.20	4.84
2	170	167.80	2.20	4.84
3	166	167.80	-1.80	3.24
4	167	167.80	-0.80	0.64
5	169	167.80	1.20	1.44
6	165	167.80	-2.80	7.84
7	161	167.80	-6.80	46.24
8	170	167.80	2.20	4.84
9	173	167.80	5.20	27.04
10	167	167.80	-0.80	0.64
ΣX_1	1678.00			
$\Sigma(X_1 - MX_1)^2$	101.60			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Tinggi Badan Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 173 - 161 \\ &= 12 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{12}{4} \\ &= 3 \end{aligned}$$

B. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_1 = 1678$$

$$\Sigma (X_1 - MX_1)^2 = 101.6$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata X} &= \frac{\Sigma X}{n} \\ &= \frac{1678}{10} \\ &= 167.8 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum(X_1 - MX_1)^2}{n}} \\ &= \sqrt{\frac{101.6}{10}} \\ &= \sqrt{10.16} \\ &= 3.19 \\ 3. \text{ Varians} &= 10.16 \end{aligned}$$

LAMPIRAN 7

**Tinggi Duduk Perokok Aktif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

No	X_1	MX_1	$X_1 - MX_1$	$(X_1 - MX_1)^2$
1	99	93.60	5.40	29.16
2	95	93.60	1.40	1.96
3	95	93.60	1.40	1.96
4	72	93.60	-21.60	466.56
5	93	93.60	-0.60	0.36
6	95	93.60	1.40	1.96
7	96	93.60	2.40	5.76
8	96	93.60	2.40	5.76
9	97	93.60	3.40	11.56
10	98	93.60	4.40	19.36
ΣX_1	936.00			
$\Sigma(X_1 - MX_1)^2$	544.40			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Daya Tahan Jantung Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 99 - 72 \\ &= 27 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{27}{4} \\ &= 6.75 \end{aligned}$$

B. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_1 = 936$$

$$\Sigma (X_1 - MX_1)^2 = 544.4$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{936}{10} \\ &= 13,5 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum (X_1 - MX_1)^2}{n}} \\ &= \sqrt{\frac{544.4}{10}} \\ &= \sqrt{54.44} \\ &= 7.38 \\ 3. \text{ Varians} &= 54.44 \end{aligned}$$

LAMPIRAN 8

**Rentang Tangan Perokok Aktif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

No	X_1	MX_1	$X_1 - MX_1$	$(X_1 - MX_1)^2$
1	179	172.70	6.30	39.69
2	168	172.70	-4.70	22.09
3	180	172.70	7.30	53.29
4	168	172.70	-4.70	22.09
5	177	172.70	4.30	18.49
6	179	172.70	6.30	39.69
7	180	172.70	7.30	53.29
8	153	172.70	-19.70	388.09
9	165	172.70	-7.70	59.29
10	178	172.70	5.30	28.09
ΣX_1	1727.00			
$\Sigma(X_1 - MX_1)^2$	724.10			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Daya Tahan Jantung Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 180 - 153 \\ &= 6.75 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{27}{4} \\ &= 6.75 \end{aligned}$$

B. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_1 = 1727$$

$$\Sigma (X_1 - MX_1)^2 = 724.1$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{1727}{10} \\ &= 172.7 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum(X_1 - MX_1)^2}{n}} \\ &= \sqrt{\frac{724.1}{10}} \\ &= \sqrt{72.41} \\ &= 8.51 \\ 3. \text{ Varians} &= 72.41 \end{aligned}$$

LAMPIRAN 9

**Panjang Tungkai Perokok Aktif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

No	X_1	MX_1	$X_1 - MX_1$	$(X_1 - MX_1)^2$
1	100	94.70	5.30	28.09
2	97	94.70	2.30	5.29
3	99	94.70	4.30	18.49
4	98	94.70	3.30	10.89
5	85	94.70	-9.70	94.09
6	85	94.70	-9.70	94.09
7	98	94.70	3.30	10.89
8	98	94.70	3.30	10.89
9	90	94.70	-4.70	22.09
10	97	94.70	2.30	5.29
$\sum X_1$	947.00			
$\sum (X_1 - MX_1)^2$	300.10			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Daya Tahan Jantung Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 100 - 85 \\ &= 3.75 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{15}{4} \\ &= 3.75 \end{aligned}$$

B. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_1 = 947$$

$$\Sigma (X_1 - MX_1)^2 = 300.1$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{947}{10} \\ &= 94.7 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum(X_1 - MX_1)^2}{n}} \\ &= \sqrt{\frac{300.1}{10}} \\ &= \sqrt{30.01} \\ &= 5.48 \\ 3. \text{ Varians} &= 30.01 \end{aligned}$$

LAMPIRAN 10

**Berat Badan Perokok Aktif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

No	X_1	MX_1	$X_1 - MX_1$	$(X_1 - MX_1)^2$
1	76	66.20	9.80	96.04
2	70	66.20	3.80	14.44
3	59	66.20	-7.20	51.84
4	57	66.20	-9.20	84.64
5	75	66.20	8.80	77.44
6	65	66.20	-1.20	1.44
7	70	66.20	3.80	14.44
8	55	66.20	-11.20	125.44
9	65	66.20	-1.20	1.44
10	70	66.20	3.80	14.44
ΣX_1	662.00			
$\Sigma(X_1 - MX_1)^2$	481.60			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Daya Tahan Jantung Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 76 - 55 \\ &= 21 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{21}{4} \\ &= 5.25 \end{aligned}$$

B. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_1 = 662$$

$$\Sigma (X_1 - MX_1)^2 = 481.6$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{662}{10} \\ &= 66.2 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum(X_1 - MX_1)^2}{n}} \\ &= \sqrt{\frac{481.6}{10}} \\ &= \sqrt{48.16} \\ &= 6.94 \\ 3. \text{ Varians} &= 48.16 \end{aligned}$$

Lampiran 11

Data Antropometri Perokok Pasif Pada Komunitas Motor Touring Tali Persaudaraan Community

No	Nama	TINGGI BADAN	TINGGI DUDUK	RENTANG TANGAN	PANJANG TANGAN	BERAT BADAN
		Cm	cm	cm	cm	Kg
1	Alfian Ramadhan	165	99	172	102	67
2	Muhtar Arifin	172	99	170	100	114
3	Tubagus karaeng	169	97	155	102	68
4	Wahyu Nur Utomo	168	97	165	97	68
5	Eka Saputra	155	95	179	96	60
6	Andri Saputro	172	95	180	87	98
7	Ilham Khoirum H	173	96	178	80	80
8	Samsudin	168	98	169	89	72
9	Ahmad Salafuddin	165	89	179	98	69
10	Seno Ajie S	173	72	164	99	82

LAMPIRAN 12

**Tinggi Badan Perokok Pasif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

NO	X_2	MX_2	$X_2 - MX_2$	$(X_2 - MX_2)^2$
1	165	168.00	-3.00	9.0
2	172	168.00	4.00	16.0
3	169	168.00	1.00	1.0
4	168	168.00	0.00	0.0
5	155	168.00	-13.00	169.0
6	172	168.00	4.00	16.0
7	173	168.00	5.00	25.0
8	168	168.00	0.00	0.0
9	165	168.00	-3.00	9.0
10	173	168.00	5.00	25.0
$\sum X_2$	1680.00			
$\sum (X_2 - MX_2)^2$	270.00			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Tinggi Badan Paru Perokok Pasif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 173 - 155 \\ &= 18 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{18}{4} \\ &= 4.5 \end{aligned}$$

C. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_2 = 1680$$

$$\Sigma (X_2 - MX_2)^2 = 270$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{1680}{10} \\ &= 168 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum (X_2 - MX_2)^2}{n}} \\ &= \sqrt{\frac{270}{10}} \\ &= \sqrt{27} \\ &= 5.2 \\ 3. \text{ Varians} &= 27 \end{aligned}$$

LAMPIRAN 13

**Tinggi Duduk Perokok Pasif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

NO	X_2	MX_2	$X_2 - MX_2$	$(X_2 - MX_2)^2$
1	99	93.70	5.30	28.1
2	99	93.70	5.30	28.1
3	97	93.70	3.30	10.9
4	97	93.70	3.30	10.9
5	95	93.70	1.30	1.7
6	95	93.70	1.30	1.7
7	96	93.70	2.30	5.3
8	98	93.70	4.30	18.5
9	89	93.70	-4.70	22.1
10	72	93.70	-21.70	470.9
ΣX_2	937.00			
$\Sigma(X_2 - MX_2)^2$	598.10			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

B. Variabel Tinggi Badan Paru Perokok Pasif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 99 - 72 \\ &= 27 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{27}{4} \\ &= 6.75 \end{aligned}$$

D. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_2 = 937$$

$$\Sigma (X_2 - MX_2)^2 = 598.1$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata X} &= \frac{\Sigma X}{n} \\ &= \frac{937}{10} \\ &= 93.7 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum (X_2 - MX_2)^2}{n}} \\ &= \sqrt{\frac{598.1}{10}} \\ &= \sqrt{59.81} \\ &= 7.73 \\ 3. \text{ Varians} &= 59.81 \end{aligned}$$

LAMPIRAN 14

**Rentang Tangan Perokok Pasif Pada Komunitas Motor *Touring*
Tali Persaudaraan *Community***

NO	X_2	MX_2	$X_2 - MX_2$	$(X_2 - MX_2)^2$
1	172	171.10	0.90	0.8
2	170	171.10	-1.10	1.2
3	155	171.10	-16.10	259.2
4	165	171.10	-6.10	37.2
5	179	171.10	7.90	62.4
6	180	171.10	8.90	79.2
7	178	171.10	6.90	47.6
8	169	171.10	-2.10	4.4
9	179	171.10	7.90	62.4
10	164	171.10	-7.10	50.4
$\sum X_2$	1711.00			
$\sum (X_2 - MX_2)^2$	604.90			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

C. Variabel Tinggi Badan Paru Perokok Pasif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 180 - 155 \\ &= 25 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{25}{4} \\ &= 6.25 \end{aligned}$$

E. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_2 = 1711$$

$$\Sigma (X_2 - MX_2)^2 = 604.9$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{1711}{10} \\ &= 171.1 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum (X_2 - MX_2)^2}{n}} \\ &= \sqrt{\frac{604.9}{10}} \\ &= \sqrt{60.49} \\ &= 7.78 \\ 3. \text{ Varians} &= 60.49 \end{aligned}$$

LAMPIRAN 15

**Panjang Tungkai Perokok Pasif Pada Komunitas Motor *Touring*
Tali Persaudaraan *Community***

NO	X_2	MX_2	$X_2 - MX_2$	$(X_2 - MX_2)^2$
1	102	95.00	7.00	49.0
2	100	95.00	5.00	25.0
3	102	95.00	7.00	49.0
4	97	95.00	2.00	4.0
5	96	95.00	1.00	1.0
6	87	95.00	-8.00	64.0
7	80	95.00	-15.00	225.0
8	89	95.00	-6.00	36.0
9	98	95.00	3.00	9.0
10	99	95.00	4.00	16.0
ΣX_2	950.00			
$\Sigma(X_2 - MX_2)^2$	478.00			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

D. Variabel Tinggi Badan Paru Perokok Pasif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 180 - 155 \\ &= 25 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{25}{4} \\ &= 6.25 \end{aligned}$$

F. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_2 = 950$$

$$\Sigma (X_2 - MX_2)^2 = 487$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{950}{10} \\ &= 95 \end{aligned}$$

$$\begin{aligned} 2. \text{ Simpangan Baku} &= \sqrt{\frac{\sum (X_2 - MX_2)^2}{n}} \\ &= \sqrt{\frac{478}{10}} \\ &= \sqrt{47.8} \\ &= 6.91 \\ 3. \text{ Varians} &= 47.8 \end{aligned}$$

LAMPIRAN 16

**Berat Badan Perokok Pasif Pada Komunitas Motor *Touring* Tali
Persaudaraan *Community***

NO	X_2	MX_2	$X_2 - MX_2$	$(X_2 - MX_2)^2$
1	67	77.80	-10.80	116.6
2	114	77.80	36.20	1310.4
3	68	77.80	-9.80	96.0
4	68	77.80	-9.80	96.0
5	60	77.80	-17.80	316.8
6	98	77.80	20.20	408.0
7	80	77.80	2.20	4.8
8	72	77.80	-5.80	33.6
9	69	77.80	-8.80	77.4
10	82	77.80	4.20	17.6
ΣX_2	778.00			
$\Sigma(X_2 - MX_2)^2$	2477.60			

Langkah – Langkah Perhitungan Distribusi Frekuensi.

A. Variabel Daya Tahan Jantung Paru Perokok Aktif

$$\begin{aligned} \text{Rentang (R)} &= \text{data terbesar} - \text{data terkecil} \\ &= 76 - 55 \\ &= 21 \end{aligned}$$

$$\begin{aligned} \text{Banyak Kelas (BK)} &= 1 + (3,3) \log n \\ &= 1 + (3,3) \log 10 \\ &= 1 + (3,3) (1) \\ &= 1 + 3.3 \\ &= 4.3 (4) \end{aligned}$$

$$\begin{aligned} \text{Panjang Kelas (PK)} &= \frac{R}{BK} \\ &= \frac{21}{4} \\ &= 5.25 \end{aligned}$$

B. Menghitung Rata – rata dan Simpangan Baku

Diketahui :

$$\Sigma X_2 = 778$$

$$\Sigma (X_2 - MX_2)^2 = 2477.6$$

$$n = 10$$

$$\begin{aligned} 1. \text{ Rata – Rata } X &= \frac{\Sigma X}{n} \\ &= \frac{778}{10} \\ &= 77.8 \end{aligned}$$

$$2. \text{ Simpangan Baku} = \sqrt{\frac{\Sigma (X_2 - MX_2)^2}{n}}$$

$$= \sqrt{\frac{2477.6}{10}}$$

$$= \sqrt{247.76}$$

$$= 15.74$$

3. Varians

$$= 247.7$$

Lampiran 17

Perhitungan Pengajuan Hipotesis

Diketahui :

$$MX_1 = 31.57 \quad SX_1 = 5.69$$

$$MX_2 = 38.52 \quad SX_2 = 5.2$$

$$\begin{aligned} SEMX_1 &= \frac{SX_1}{\sqrt{n-1}} \\ &= \frac{5.69}{\sqrt{10-1}} \\ &= \frac{5.69}{3} = 1.89 \end{aligned}$$

$$\begin{aligned} SEMX_2 &= \frac{SX_2}{\sqrt{n-1}} \\ &= \frac{5.2}{\sqrt{10-1}} \\ &= \frac{5.2}{3} = 1.73 \end{aligned}$$

$$\begin{aligned} SEMX_1X_2 &= \sqrt{(SEMX_1)^2 + (SEMX_2)^2} \\ &= \sqrt{(1.89)^2 + (1.73)^2} \\ &= \sqrt{(3.59) + (3.01)} = \sqrt{6.6} = 2.57 \end{aligned}$$

$$t_0 = \left| \frac{MX_1 - MX_2}{SEMX_1X_2} \right| = \left| \frac{31.57 - 38.52}{2.57} \right| = \left| \frac{-6.95}{2.57} \right|$$

= 2.7 (t – hitung > t – tabel, Ho ditolak dan H₁ diterima)