

LAMPIRAN



Lampiran 1. Perhitungan Data Aktivitas Harian Rusa Total

☞ Aktivitas Harian Kawanan

1. Aktivitas makan

$$♣ \text{ Persentase waktu makan: } F = \frac{89}{177} \times 100 \% = 50.28 \%$$

$$♣ \text{ Alokasi waktu makan} = 50.28 \% \times 24 \text{ jam} = 12.07 \text{ jam}$$

2. Aktivitas istirahat

$$♣ \text{ Persentase waktu istirahat: } F = \frac{82}{177} \times 100 \% = 46.33 \%$$

$$♣ \text{ Alokasi waktu istirahat} = 46.33 \% \times 24 \text{ jam} = 11.12 \text{ jam}$$

3. Aktivitas lain

$$♣ \text{ Persentase waktu aktivitas lain: } F = \frac{6}{177} \times 100 \% = 3.39 \%$$

$$♣ \text{ Alokasi waktu aktivitas lain} = 3.39 \% \times 24 \text{ jam} = 0.81 \text{ jam}$$

☞ Aktivitas harian berdasarkan variasi jenis kelamin

1. Aktivitas makan

♂ Rusa total jantan :

$$➤ \text{ Persentase waktu makan : } F = \frac{86}{193} \times 100 \% = 44.56 \%$$

$$➤ \text{ Alokasi waktu untuk makan} = 44.56 \% \times 24 \text{ jam} = 10.69 \text{ jam}$$

♀ Rusa total betina :

$$➤ \text{ Persentase waktu makan : } F = \frac{114}{198} \times 100 \% = 57.58 \%$$

$$➤ \text{ Alokasi waktu untuk makan} = 57.58 \% \times 24 \text{ jam} = 13.82 \text{ jam}$$

2. Aktivitas istirahat

♂ Rusa total jantan :

$$➤ \text{ Persentase waktu istirahat : } F = \frac{93}{193} \times 100 \% = 48.19 \%$$

$$➤ \text{ Alokasi waktu istirahat} = 48.19 \% \times 24 \text{ jam} = 11.57 \text{ jam}$$

♀ Rusa total betina :

$$➤ \text{ Persentase waktu istirahat : } F = \frac{78}{198} \times 100 \% = 39.39 \%$$

$$➤ \text{ Alokasi waktu istirahat} = 39.39 \% \times 24 \text{ jam} = 9.46 \text{ jam}$$

3. Aktivitas lain

♂ Rusa totol jantan :

- Persentase waktu aktivitas lain : $F = \frac{14}{193} \times 100 \% = 7.25 \%$
- Alokasi waktu aktivitas lain = $7.25 \% \times 24 \text{ jam} = 1.74 \text{ jam}$

♀ Rusa totol betina :

- Persentase waktu aktivitas lain : $F = \frac{6}{198} \times 100 \% = 3.03 \%$
- Alokasi waktu aktivitas lain = $3.03 \% \times 24 \text{ jam} = 0.72 \text{ jam}$

☞ Aktivitas harian berdasarkan variasi status fisiologis

1. Aktivitas makan

☞ Jantan dominan

- Persentase waktu makan : $F = \frac{58}{168} \times 100 \% = 34.52 \%$
- Alokasi waktu makan = $34.52 \% \times 24 \text{ jam} = 8.29 \text{ jam}$

☞ Jantan velvet

- Persentase waktu makan : $F = \frac{81}{168} \times 100 \% = 48.21 \%$
- Alokasi waktu makan = $48.21 \% \times 24 \text{ jam} = 11.57 \text{ jam}$

☞ Betina hamil

- Persentase waktu makan : $F = \frac{102}{168} \times 100 \% = 60.71 \%$
- Alokasi waktu makan = $60.71 \% \times 24 \text{ jam} = 14.57 \text{ jam}$

☞ Induk

- Persentase waktu makan : $F = \frac{69}{168} \times 100 \% = 41.07 \%$
- Alokasi waktu makan = $41.07 \% \times 24 \text{ jam} = 9.86 \text{ jam}$

☞ Anak rusa

- Persentase waktu makan : $F = \frac{56}{168} \times 100 \% = 33.33 \%$
- Alokasi waktu makan = $33.33 \% \times 24 \text{ jam} = 8 \text{ jam}$

2. Aktivitas istirahat

☒ Jantan dominan

- Persentase waktu istirahat : $F = \frac{90}{168} \times 100 \% = 53.57 \%$
- Alokasi waktu istirahat = $53.57 \% \times 24 \text{ jam} = 12.86 \text{ jam}$

☒ Jantan velvet

- Persentase waktu istirahat: $F = \frac{72}{168} \times 100 \% = 42.86 \%$
- Alokasi waktu istirahat = $42.86 \% \times 24 \text{ jam} = 10.29 \text{ jam}$

☒ Betina hamil

- Persentase waktu istirahat : $F = \frac{49}{168} \times 100 \% = 29.16 \%$
- Alokasi waktu istirahat = $29.16 \% \times 24 \text{ jam} = 7 \text{ jam}$

☒ Induk

- Persentase waktu istirahat : $F = \frac{90}{168} \times 100 \% = 53.57 \%$
- Alokasi waktu istirahat = $53.57 \% \times 24 \text{ jam} = 12.86 \text{ jam}$

☒ Anak rusa

- Persentase waktu istirahat : $F = \frac{99}{168} \times 100 \% = 58.93 \%$
- Alokasi waktu istirahat = $58.93 \% \times 24 \text{ jam} = 14.14 \text{ jam}$

3. Aktivitas lain

☒ Jantan dominan

- Persentase waktu aktivitas lain : $F = \frac{20}{168} \times 100 \% = 11.91 \%$
- Alokasi waktu aktivitas lain = $11.91 \% \times 24 \text{ jam} = 2.86 \text{ jam}$

☒ Jantan velvet

- Persentase waktu aktivitas lain: $F = \frac{15}{168} \times 100 \% = 8.93 \%$
- Alokasi waktu aktivitas lain = $8.93 \% \times 24 \text{ jam} = 2.14 \text{ jam}$

☞ Betina hamil

- Persentase waktu aktivitas lain: $F = \frac{17}{168} \times 100 \% = 10.12 \%$
- Alokasi waktu aktivitas lain = $10.12 \% \times 24 \text{ jam} = 2.43 \text{ jam}$

☞ Induk

- Persentase waktu aktivitas lain : $F = \frac{9}{168} \times 100 \% = 5.36 \%$
- Alokasi waktu aktivitas lain = $5.36 \% \times 24 \text{ jam} = 1.29 \text{ jam}$

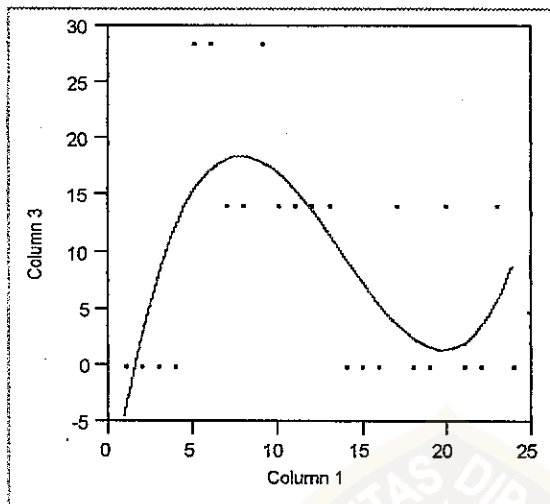
☞ Anak rusa

- Persentase waktu aktivitas lain : $F = \frac{13}{168} \times 100 \% = 7.74 \%$
- Alokasi waktu aktivitas lain = $7.74 \% \times 24 \text{ jam} = 1.86 \text{ jam}$



Lampiran 2. Contoh Analisa Regresi Polinomial Menggunakan JMP

Column 3 By Column 1 VELVET (AKTIVITAS LAIN)



— Polynomial Fit degree=3

Polynomial Fit degree=3 (dibekal)

$$\text{Column 3} = -13.036 + 9.22574 \text{ Column 1} - 0.8177 \text{ Column 1}^2 + 0.01962 \text{ Column 1}^3$$

Summary of Fit

| | |
|----------------------------|----------|
| RSquare | 0.435578 |
| RSquare Adj | 0.350915 |
| Root Mean Square Error | 8.182911 |
| Mean of Response | 8.93 |
| Observations (or Sum Wgts) | 24 |

Analysis of Variance

| Source | DF | Sum of Squares | Mean Square | F Ratio |
|---------|----|----------------|-------------|---------|
| Model | 3 | 1033.4934 | 344.498 | 5.1448 |
| Error | 20 | 1339.2006 | 66.960 | Prob>F |
| C Total | 23 | 2372.6940 | | 0.0085 |

Parameter Estimates

| Term | Estimate | Std Error | t Ratio | Prob> t |
|-----------------------|-----------|-----------|---------|---------|
| Intercept | -13.03611 | 7.878054 | -1.65 | 0.1136 |
| Column 1 | 9.2257402 | 2.673536 | 3.45 | 0.0025 |
| Column 1 ² | -0.817702 | 0.245836 | -3.33 | 0.0034 |
| Column 1 ³ | 0.0196245 | 0.006472 | 3.03 | 0.0066 |

BULAN : APRIL 2004

| | Tekanan Udara dalam Mb | Kelembaban Udara dalam % | | | | A n g i n | | | |
|------------------|---------------------------|--------------------------|-------|-------|-------------------|------------------------|----------------|---------------|------|
| | | 7:00 | 13:00 | 18:00 | Rata ² | Kec. Rata ² | Arah Terbanyak | Kec. Terbesar | Arah |
| | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 1012.0 | 87 | 65 | 70 | 77 | 2.1 | TL | 06 | 050 |
| | 1011.3 | 83 | 61 | 75 | 76 | 1.9 | TL | 10 | 020 |
| | 1012.7 | 87 | 58 | 69 | 75 | 1.0 | U | 07 | 360 |
| | 1012.2 | 78 | 84 | 74 | 79 | 1.2 | BD | 06 | 300 |
| | 1011.8 | 87 | 71 | 80 | 81 | 1.1 | TL | 06 | 340 |
| | 1010.5 | 92 | 57 | 65 | 77 | 2.4 | T | 07 | 090 |
| | 1010.8 | 78 | 53 | 70 | 70 | 2.6 | T | 06 | 070 |
| | 1011.4 | 83 | 59 | 72 | 74 | 3.2 | U | 12 | 210 |
| | 1010.5 | 82 | 67 | 78 | 77 | 2.9 | U | 06 | 220 |
| | 1010.6 | 92 | 67 | 69 | 80 | 1.5 | TL | 07 | 040 |
| | 1010.7 | 86 | 63 | 67 | 76 | 2.7 | T | 08 | 090 |
| | 1009.7 | 84 | 56 | 67 | 73 | 2.4 | T | 11 | 080 |
| | 1009.1 | 79 | 57 | 77 | 73 | 2.6 | TL | 08 | 040 |
| | 1010.0 | 87 | 56 | 70 | 75 | 2.9 | T | 07 | 080 |
| | 1010.2 | 83 | 50 | 63 | 70 | 2.3 | T | 06 | 100 |
| | 1010.3 | 80 | 63 | 66 | 72 | 2.7 | TL | 08 | 060 |
| | 1009.3 | 82 | 52 | 73 | 72 | 2.6 | TL | 12 | 060 |
| | 1009.2 | 81 | 54 | 70 | 72 | 2.5 | U | 06 | 360 |
| | 1010.3 | 82 | 84 | 79 | 82 | 1.4 | T | 06 | 120 |
| | 1009.7 | 88 | 56 | 63 | 74 | 2.0 | T | 05 | 060 |
| | 1009.5 | 86 | 73 | 93 | 85 | 3.0 | BD | 12 | 230 |
| | 1007.9 | 90 | 56 | 73 | 77 | 1.8 | T | 06 | 090 |
| | 1009.0 | 85 | 61 | 84 | 79 | 2.5 | T | 14 | 190 |
| | 1009.7 | 86 | 70 | 79 | 80 | 2.8 | TL | 08 | 090 |
| | 1008.8 | 92 | 80 | 78 | 86 | 2.6 | T | 07 | 160 |
| | 1008.3 | 81 | 57 | 62 | 70 | 4.0 | T | 11 | 100 |
| | 1008.7 | 90 | 63 | 77 | 80 | 1.8 | TL | 09 | 070 |
| | 1006.9 | 88 | 51 | 68 | 74 | 2.6 | T | 08 | 350 |
| | 1007.0 | 81 | 68 | 81 | 78 | 1.9 | T | 10 | 080 |
| | 1006.0 | 86 | 63 | 66 | 75 | 1.6 | U | 05 | 020 |
| ALH | 30294.1 | 2546 | 1875 | 2178 | 2286.3 | 68.6 | | | |
| ATA ² | 1009.8 | 84.9 | 62.5 | 72.6 | 76.2 | 2.3 | | | |

ATAN : KOLOM 4 DAN 14 = $2 \times 07.00 + 13.00 + 18.00$

4

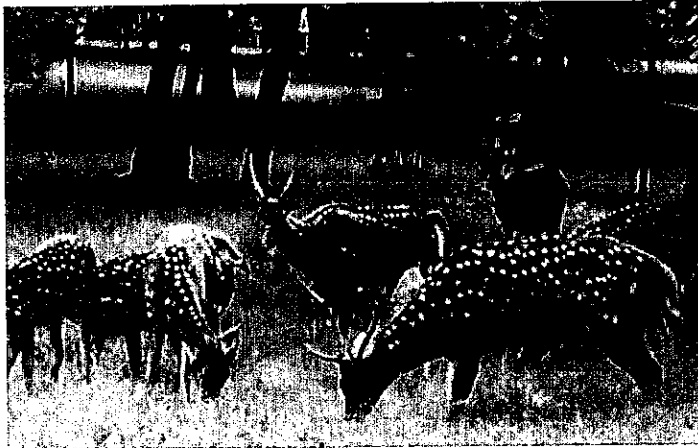
KOLOM 8 = RATA-RATA DARI 8 JAM

PENGALAMAT,

RISTYANTO

NIP. 120081313

Lampiran 4. Perilaku Rusa Totol di Zona Rusa Monas



Gambar 1. Kawanan rusa totol merumput di area tengah dari Zona Rusa



Gambar 2. Rusa totol istirahat berkelompok



Gambar 3. Dua ekor jantan dewasa sedang bertarung



Gambar 4. Induk rusa totol sedang menyusui anaknya



Gambar 5. Jantan *velvet* (rangga lunak)



Gambar 6. Papan larangan di Zona Rusa Monas