

LAMPIRAN

Lampiran 1. Kuesioner Penelitian

Responden Yth,

Nama saya Inas Arifatun Nisa'mahasiswa program studi Agribisnis UPN "Veteran" Jawa Timur yang mengadakan penelitian tentang **Analisis Permintaan**

Jahe Merah (*Zingiber Officinale Roscoe Var. Rubrum*) Di Jawa Timur.

Penelitian ini adalah untuk skripsi guna memenuhi salah satu tugas memperoleh gelar sarjana. Mohon bapak/ibu untuk membantu menjawab wawancara ini.

Semua jawaban yang ada dalam wawancara ini hanya digunakan untuk kepentingan akademis dan tidak ada jawaban yang salah. Saya sangat

mengharapkan bapak/ibu berkenan untuk menjawab wawancara ini. Semoga bapak/ibu mendapatkan berkah dari Allah SWT dengan membantu menjawab

wawancara ini sesuai dengan kemampuan yang bapak/ibu pahami. Atas kerjasama dan bantuan bapak/ibu, saya ucapkan terimakasih.

Nama :

Umur :

Alamat :

Jabatan :

DAFTAR PERTANYAAN

1. Menurut bapak/ibu bagaimana potensi usaha jahe merah yang ada di Provinsi Jawa Timur?
2. Bagaimana pandangan bapak/ibu tentang prospek kedepan dari usaha jahe merah yang ada di Provinsi Jawa Timur?

3. Bagaimana peran kelembagaan formal (dinas terkait) dalam kegiatan usaha jahe merah di Jawa Timur? (membantu/tidak membantu)
4. Bagaimana dukungan lembaga nonformal (LSM, perhimpunan, dsb) terhadap perkembangan usaha ini?
5. Apakah ada penyuluhan atau bantuan dari pihak pemerintah?, jika ada bantuan dalam bentuk apa?
6. Menurut bapak/ibu bagaimana upaya agar usaha jahe merah bisa tetap eksis dan mampu mengembangkan produktivitas untuk memenuhi permintaan konsumen?
7. Bagaimana langkah pemerintah atau dinas terkait dalam menentukan strategi pengembangan usaha jahe merah di Jawa Timur?
8. Upaya apa yang dilakukan untuk meningkatkan pengembangan usaha jahe merah di Jawa Timur?

Lampiran 2. Input Data

| Tahun | Permintaan Jahe Merah (Y) | Harga Jahe Merah (X1) | Pendapatan (X2) | Barang Subtitusi (X3) | Jumlah Penduduk (X4) |
|-------|---------------------------|-----------------------|-----------------|-----------------------|----------------------|
| 2010 | 13,588,920 | 11,000 | 795,889 | 588 | 37,565,706 |
| 2011 | 17,629,607 | 35,000 | 856,046 | 604 | 37,840,657 |
| 2012 | 21,645,805 | 30,000 | 1,323,456 | 612 | 38,106,590 |
| 2013 | 24,676,985 | 25,000 | 1,522,205 | 680 | 38,363,195 |
| 2014 | 27,680,760 | 22,000 | 1,574,956 | 847 | 38,610,202 |
| 2015 | 30,897,160 | 23,500 | 1,676,543 | 853 | 38,847,561 |
| 2016 | 54,761,983 | 17,500 | 1,729,157 | 1,107 | 39,075,152 |
| 2017 | 87,516,982 | 20,000 | 2,388,000 | 1,108 | 39,292,972 |
| 2018 | 115,949,125 | 30,000 | 2,398,992 | 1,505 | 39,500,851 |
| 2019 | 136,409,308 | 60,000 | 2,406,609 | 1,559 | 39,698,631 |
| 2020 | 282,026,555 | 120,000 | 2,446,424 | 1,577 | 39,886,288 |
| 2021 | 302,087,768 | 85,000 | 2,493,001 | 1,595 | 40,994,615 |

Lampiran 3. Input Data Logaritma

| Tahun | Permintaan Jahe Merah (Y) | Harga Jahe Merah (X1) | Pendapatan (X2) | Barang Subtitusi (X3) | Jumlah Penduduk (X4) |
|-------|---------------------------|-----------------------|-----------------|-----------------------|----------------------|
| 2010 | 7.133185 | 4.041393 | 5.900853 | 2.769377 | 7.574792 |
| 2011 | 7.246243 | 4.544068 | 5.932497 | 2.781037 | 7.577959 |
| 2012 | 7.335374 | 4.477121 | 6.12171 | 2.786751 | 7.581 |
| 2013 | 7.392292 | 4.39794 | 6.182473 | 2.832509 | 7.583915 |
| 2014 | 7.442178 | 4.342423 | 6.197268 | 2.927883 | 7.586702 |
| 2015 | 7.489919 | 4.371068 | 6.224415 | 2.930949 | 7.589364 |
| 2016 | 7.738479 | 4.243038 | 6.237834 | 3.044148 | 7.591901 |
| 2017 | 7.942092 | 4.30103 | 6.378034 | 3.04454 | 7.594315 |
| 2018 | 8.064267 | 4.477121 | 6.380029 | 3.177536 | 7.596606 |
| 2019 | 8.134844 | 4.778151 | 6.381406 | 3.192846 | 7.598776 |
| 2020 | 8.45029 | 5.079181 | 6.388532 | 3.197832 | 7.600824 |
| 2021 | 8.480133 | 4.929419 | 6.396722 | 3.202761 | 7.612727 |

Lampiran 4. Hasil Analisis SPSS

GET

```
FILE='C:\Users\Documents\Untitled2.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
NEW FILE.
DATASET NAME DataSet2 WINDOW=FRONT.
DATASET CLOSE DataSet1.
REGRESSION
/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANO VA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT Y
/METHOD=ENTER X1 X2 X3 X4 X5
/SCATTERPLOT=(*SRESID,*ZPRED)
/RESIDUALS DURBIN HISTOGRAM(ZRESID) NORMPROB(ZRESID).
```

Variables Entered/Removed^a

| Model | Variables Entered | Variables Removed | Method |
|-------|--|-------------------|--------|
| 1 | Substitusi, Harga, Pendapatan, Penduduk ^b | | Enter |

a. Dependent Variable: Permintaan Jahe Merah

b. All requested variables entered.

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | | | | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|-------------------|----------|-----|-----|---------------|---------------|
| | | | | | R Square Change | F Change | df1 | df2 | Sig. F Change | |
| 1 | .990 ^a | .980 | .968 | .08313 | .980 | 85.138 | 4 | 7 | .000 | 1.824 |

a. Predictors: (Constant), Pendapatan, Harga, Barang Substitusi, Jumlah Penduduk

b. Dependent Variable: Permintaan Jahe Merah

ANOVA^a

| Model | Sum of Squares | df | Mean Square | F | Sig. |
|--------------|----------------|----|-------------|--------|-------------------|
| 1 Regression | 2.354 | 4 | .588 | 85.138 | .000 ^b |
| Residual | .048 | 7 | .007 | | |
| Total | 2.402 | 11 | | | |

a. Dependent Variable: Permintaan Jahe Merah

b. Predictors: (Constant), Pendapatan, Harga, Barang Substitusi, Jumlah Penduduk

Coefficients^a

| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Correlations | | | Collinearity Statistics | |
|-------------------|-----------------------------|------------|---------------------------|-------|------|--------------|---------|------|-------------------------|--------|
| | B | Std. Error | Beta | | | Zero-order | Partial | Part | Tolerance | VIF |
| 1 (Constant) | -95.757 | 54.834 | | 1.746 | .124 | | | | | |
| Harga | .418 | .125 | .265 | 3.344 | .012 | .769 | .784 | .179 | .457 | 2.188 |
| Pendapatan | .607 | .335 | .226 | 1.811 | .113 | .887 | .565 | .097 | .185 | 5.394 |
| Barang Substitusi | 12.495 | 7.527 | .288 | 1.660 | .141 | .959 | .532 | .089 | .096 | 10.456 |
| Jumlah Penduduk | .993 | .281 | .341 | 3.528 | .010 | .879 | .800 | .189 | .308 | 3.245 |

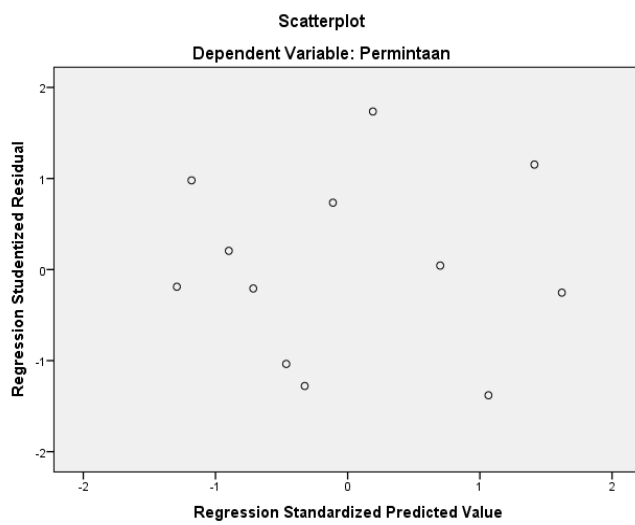
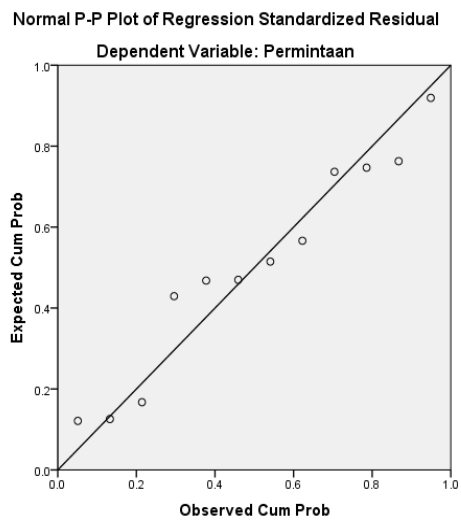
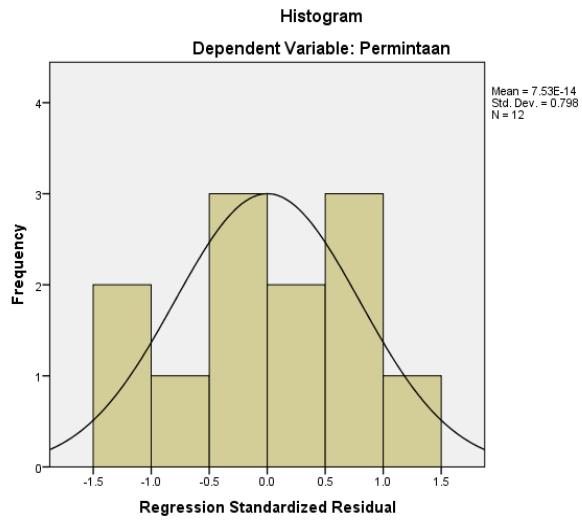
a. Dependent Variable: Permintaan Jahe Merah

Residuals Statistics^a

| | Minimum | Maximum | Mean | Std. Deviation | N |
|-----------------------------------|---------|---------|--------|----------------|----|
| Predicted Value | 7.1395 | 8.4868 | 7.7374 | .46256 | 12 |
| Std. Predicted Value | -1.293 | 1.620 | .000 | 1.000 | 12 |
| Standard Error of Predicted Value | .030 | .079 | .052 | .016 | 12 |
| Adjusted Predicted Value | 7.1262 | 8.5464 | 7.7310 | .46694 | 12 |
| Residual | -.09723 | .11638 | .00000 | .06632 | 12 |
| Std. Residual | -1.170 | 1.400 | .000 | .798 | 12 |
| Stud. Residual | -1.381 | 1.736 | .042 | .983 | 12 |
| Deleted Residual | -.13821 | .17896 | .00645 | .10566 | 12 |
| Stud. Deleted Residual | -1.498 | 2.130 | .061 | 1.073 | 12 |
| Mahal. Distance | .552 | 8.969 | 3.667 | 2.764 | 12 |
| Cook's Distance | .000 | .425 | .120 | .140 | 12 |
| Centered Leverage Value | .050 | .815 | .333 | .251 | 12 |

a. Dependent Variable: Permintaan Jahe Merah

Charts



Lampiran 5. F Tabel

Tabel Uji F

| $\alpha =$ 0,05 | $df_1^{-(k-1)}$ | | | | | | | |
|--------------------|-------------------|---------|-------------|---------|---------|-------------|---------|---------|
| | $df_2^{-(n-k-1)}$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | 161.44 8 | 199,500 | 215.70 7 | 224,583 | 230,162 | 233.98 6 | 236,768 | 238,883 |
| 2 | 18,513 | 19,000 | 19,164 | 19,247 | 19,296 | 19,330 | 19,353 | 19,371 |
| 3 | 10,128 | 9,552 | 9,277 | 9,117 | 9,013 | 8,941 | 8,887 | 8,845 |
| 4 | 7,709 | 6,944 | 6,591 | 6,388 | 6,256 | 6,163 | 6,094 | 6,041 |
| 5 | 6,608 | 5,786 | 5,409 | 5,192 | 5,050 | 4,950 | 4,876 | 4,818 |
| 6 | 5,987 | 5,143 | 4,757 | 4,534 | 4,387 | 4,284 | 4,207 | 4,147 |
| 7 | 5,591 | 4,737 | 4,347 | 4,120 | 3,972 | 3,866 | 3,787 | 3,726 |
| 8 | 5,318 | 4,459 | 4,066 | 3,838 | 3,687 | 3,581 | 3,500 | 3,438 |
| 9 | 5,117 | 4,256 | 3,863 | 3,633 | 3,482 | 3,374 | 3,293 | 3,230 |
| 10 | 4,965 | 4,103 | 3,708 | 3,478 | 3,326 | 3,217 | 3,135 | 3,072 |
| 11 | 4,844 | 3,982 | 3,587 | 3,357 | 3,204 | 3,095 | 3,012 | 2,948 |
| 12 | 4,747 | 3,885 | 3,490 | 3,259 | 3,106 | 2,996 | 2,913 | 2,849 |
| 13 | 4,667 | 3,806 | 3,411 | 3,179 | 3,025 | 2,915 | 2,832 | 2,767 |
| 14 | 4,600 | 3,739 | 3,344 | 3,112 | 2,958 | 2,848 | 2,764 | 2,699 |

Lampiran 6. T Tabel

Titik Persentase Distribusi t (df = 1 – 40)

| Pr | 0.25 | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
|----|---------|---------|---------|----------|----------|----------|-----------|
| | 0.50 | 0.20 | 0.10 | 0.050 | 0.02 | 0.010 | 0.002 |
| 1 | 1.00000 | 3.07768 | 6.31375 | 12.70620 | 31.82052 | 63.65674 | 318.30884 |
| 2 | 0.81650 | 1.88562 | 2.91999 | 4.30265 | 6.96456 | 9.92484 | 22.32712 |
| 3 | 0.76489 | 1.63774 | 2.35336 | 3.18245 | 4.54070 | 5.84091 | 10.21453 |
| 4 | 0.74070 | 1.53321 | 2.13185 | 2.77645 | 3.74695 | 4.60409 | 7.17318 |
| 5 | 0.72669 | 1.47588 | 2.01505 | 2.57058 | 3.36493 | 4.03214 | 5.89343 |
| 6 | 0.71756 | 1.43976 | 1.94318 | 2.44691 | 3.14267 | 3.70743 | 5.20763 |
| 7 | 0.71114 | 1.41492 | 1.89458 | 2.36462 | 2.99795 | 3.49948 | 4.78529 |
| 8 | 0.70639 | 1.39682 | 1.85955 | 2.30600 | 2.89646 | 3.35539 | 4.50079 |
| 9 | 0.70272 | 1.38303 | 1.83311 | 2.26216 | 2.82144 | 3.24984 | 4.29681 |
| 10 | 0.69981 | 1.37218 | 1.81246 | 2.22814 | 2.76377 | 3.16927 | 4.14370 |
| 11 | 0.69745 | 1.36343 | 1.79588 | 2.20099 | 2.71808 | 3.10581 | 4.02470 |
| 12 | 0.69548 | 1.35622 | 1.78229 | 2.17881 | 2.68100 | 3.05454 | 3.92963 |
| 13 | 0.69383 | 1.35017 | 1.77093 | 2.16037 | 2.65031 | 3.01228 | 3.85198 |
| 14 | 0.69242 | 1.34503 | 1.76131 | 2.14479 | 2.62449 | 2.97684 | 3.78739 |
| 15 | 0.69120 | 1.34061 | 1.75305 | 2.13145 | 2.60248 | 2.94671 | 3.73283 |
| 16 | 0.69013 | 1.33676 | 1.74588 | 2.11991 | 2.58349 | 2.92078 | 3.68615 |
| 17 | 0.68920 | 1.33338 | 1.73961 | 2.10982 | 2.56693 | 2.89823 | 3.64577 |
| 18 | 0.68836 | 1.33039 | 1.73406 | 2.10092 | 2.55238 | 2.87844 | 3.61048 |
| 19 | 0.68762 | 1.32773 | 1.72913 | 2.09302 | 2.53948 | 2.86093 | 3.57940 |
| 20 | 0.68695 | 1.32534 | 1.72472 | 2.08596 | 2.52798 | 2.84534 | 3.55181 |

Lampiran 7 Perhitungan Analisis Trend

1. Perkiraan Permintaan Jahe Merah di Jawa Timur Tahun 2022

$$Y = a + bX$$

$$Y = 92.905.913,17 + 12.265.976,52X$$

$$Y = 92.905.913,17 + 12.265.976,52 (13)$$

$$Y = 252.363.607,93$$

$$\mathbf{Y = 252.363.608}$$

Artinya peramalan permintaan jahe merah di Jawa Timur pada tahun 2022 diperkirakan sebesar 252.363.608 Kg.

2. Perkiraan Permintaan Jahe Merah di Jawa Timur Tahun 2023

$$Y = a + bX$$

$$Y = 92.905.913,17 + 12.265.976,52X$$

$$Y = 92.905.913,17 + 12.265.976,52 (15)$$

$$Y = 276.895.560,97$$

$$\mathbf{Y = 276.895.561}$$

Artinya peramalan permintaan jahe merah di Jawa Timur pada tahun 2023 diperkirakan sebesar 276.895.561 Kg.

3. Perkiraan Permintaan Jahe Merah di Jawa Timur Tahun 2024

$$Y = a + bX$$

$$Y = 92.905.913,17 + 12.265.976,52X$$

$$Y = 92.905.913,17 + 12.265.976,52 (17)$$

$$Y = 301.427.514,01$$

$$\mathbf{Y = 301.427.514}$$

Artinya peramalan permintaan jahe merah di Jawa Timur pada tahun 2024 diperkirakan sebesar 301.427.514 Kg.

4. Perkiraan Permintaan Jahe Merah di Jawa Timur Tahun 2025

$$Y = a + bX$$

$$Y = 92.905.913,17 + 12.265.976,52X$$

$$Y = 92.905.913,17 + 12.265.976,52 (19)$$

$$Y = 325.959.467,05$$

$$\mathbf{Y = 325.959.467}$$

Artinya peramalan permintaan jahe merah di Jawa Timur pada tahun 2025 diperkirakan sebesar 325.959.467 Kg.

5. Perkiraan Permintaan Jahe Merah di Jawa Timur Tahun 2026

$$Y = a + bX$$

$$Y = 92.905.913,17 + 12.265.976,52X$$

$$Y = 92.905.913,17 + 12.265.976,52 (21)$$

$$Y = 350.491.420,09$$

$$\mathbf{Y = 350.491.420}$$

Artinya peramalan permintaan jahe merah di Jawa Timur pada tahun 2026 diperkirakan sebesar 350.491.420 Kg.