## Lampiran 2

```
RELIABILITY
  /VARIABLES=PM1 PM2 PM3 PM4 PM5 PM6
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA
  /STATISTICS=DESCRIPTIVE SCALE
  /SUMMARY=TOTAL.
```

## Scale: ALL VARIABLES

**Case Processing Summary**

| | | N | % |
|---|---|---|---|
| Cases | Valid | 105 | 100.0 |
| | Excluded[a] | 0 | .0 |
| | Total | 105 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|---|---|
| .970 | 6 |

**Item Statistics**

| | Mean | Std. Deviation | N |
|---|---|---|---|
| PM1 | 3.4095 | 1.00666 | 105 |
| PM2 | 3.4667 | .96144 | 105 |
| PM3 | 3.5524 | .97054 | 105 |
| PM4 | 3.5333 | .96144 | 105 |
| PM5 | 3.6000 | .98645 | 105 |
| PM6 | 3.6762 | .97562 | 105 |

**Item-Total Statistics**

| | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|---|---|---|---|---|
| PM1 | 17.8286 | 20.836 | .880 | .967 |
| PM2 | 17.7714 | 21.043 | .903 | .965 |
| PM3 | 17.6857 | 20.852 | .918 | .963 |

| | | | | |
|---|---|---|---|---|
| PM4 | 17.7048 | 20.902 | .922 | .963 |
| PM5 | 17.6381 | 20.887 | .895 | .965 |
| PM6 | 17.5619 | 20.941 | .900 | .965 |

**Scale Statistics**

| ean | Variance | Std. Deviation | N of Items |
|---|---|---|---|
| 21.2381 | 29.933 | 5.47112 | 6 |

```
RELIABILITY
  /VARIABLES=PK1 PK2 PK3 PK4 PK5 PK6
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA
  /STATISTICS=DESCRIPTIVE SCALE
  /SUMMARY=TOTAL.
```

## Reliability

## Scale: ALL VARIABLES

**Case Processing Summary**

| | | N | % |
|---|---|---|---|
| Cases | Valid | 105 | 100.0 |
| | Excluded[a] | 0 | .0 |
| | Total | 105 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|---|---|
| .974 | 6 |

**Item Statistics**

| | Mean | Std. Deviation | N |
|---|---|---|---|
| PK1 | 3.5619 | .89790 | 105 |
| PK2 | 3.5619 | .90855 | 105 |
| PK3 | 3.5619 | .90855 | 105 |
| PK4 | 3.6000 | .92612 | 105 |
| PK5 | 3.5714 | .89719 | 105 |
| PK6 | 3.7238 | .94559 | 105 |

**Item-Total Statistics**

| | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|---|---|---|---|---|
| PK1 | 18.0190 | 18.846 | .898 | .971 |
| PK2 | 18.0190 | 18.634 | .917 | .969 |
| PK3 | 18.0190 | 18.538 | .931 | .968 |
| PK4 | 17.9810 | 18.596 | .901 | .971 |
| PK5 | 18.0095 | 18.644 | .929 | .968 |
| PK6 | 17.8571 | 18.354 | .913 | .969 |

**Scale Statistics**

| Mean | Variance | Std. Deviation | N of Items |
|---|---|---|---|
| 21.5810 | 26.650 | 5.16233 | 6 |

```
RELIABILITY
  /VARIABLES=NS1 NS2 NS3 NS4
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA
  /STATISTICS=DESCRIPTIVE SCALE
  /SUMMARY=TOTAL.
```

## Reliability

## Scale: ALL VARIABLES

**Case Processing Summary**

| | | N | % |
|---|---|---|---|
| Cases | Valid | 105 | 100.0 |
| | Excluded[a] | 0 | .0 |
| | Total | 105 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|---|---|
| .948 | 4 |

**Item Statistics**

| | Mean | Std. Deviation | N |
|---|---|---|---|
| NS1 | 3.7333 | .90157 | 105 |
| NS2 | 3.6000 | .88361 | 105 |
| NS3 | 3.6571 | .91807 | 105 |
| NS4 | 3.8381 | .92116 | 105 |

**Item-Total Statistics**

| | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|---|---|---|---|---|
| NS1 | 11.0952 | 6.529 | .875 | .932 |
| NS2 | 11.2286 | 6.697 | .852 | .939 |
| NS3 | 11.1714 | 6.413 | .886 | .929 |
| NS4 | 10.9905 | 6.394 | .887 | .928 |

**Scale Statistics**

| Mean | Variance | Std. Deviation | N of Items |
|---|---|---|---|
| 14.8286 | 11.374 | 3.37256 | 4 |

```
RELIABILITY
  /VARIABLES=NMJ1 NMJ2 NMJ3 NMJ4 NMJ5
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA
  /STATISTICS=DESCRIPTIVE SCALE
  /SUMMARY=TOTAL.
```

## Reliability
## Scale: ALL VARIABLES

**Case Processing Summary**

| | | N | % |
|---|---|---|---|
| Cases | Valid | 105 | 100.0 |
| | Excluded[a] | 0 | .0 |
| | Total | 105 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|---|---|
| .970 | 5 |

**Item Statistics**

| | Mean | Std. Deviation | N |
|---|---|---|---|
| NMJ1 | 3.7810 | .93006 | 105 |
| NMJ2 | 3.7524 | .94849 | 105 |
| NMJ3 | 3.6190 | .92384 | 105 |
| NMJ4 | 3.6095 | .91457 | 105 |
| NMJ5 | 3.7143 | .89565 | 105 |

**Item-Total Statistics**

| | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|---|---|---|---|---|
| NMJ1 | 14.6952 | 12.214 | .911 | .963 |
| NMJ2 | 14.7238 | 12.086 | .912 | .963 |
| NMJ3 | 14.8571 | 12.316 | .899 | .965 |
| NMJ4 | 14.8667 | 12.271 | .920 | .962 |
| NMJ5 | 14.7619 | 12.375 | .924 | .961 |

**Scale Statistics**

| Mean | Variance | Std. Deviation | N of Items |
|---|---|---|---|
| 18.4762 | 19.002 | 4.35911 | 5 |

```
CORRELATIONS
  /VARIABLES=PM1 PM2 PM3 PM4 PM5 PM6 TOTPM
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

## Correlations

**Correlations**

| | | PM1 | PM2 | PM3 | PM4 | PM5 | PM6 | TOTPM |
|---|---|---|---|---|---|---|---|---|
| PM1 | Pearson Correlation | 1 | .923** | .849** | .825** | .777** | .763** | .918** |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PM2 | Pearson Correlation | .923** | 1 | .855** | .862** | .787** | .798** | .933** |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PM3 | Pearson Correlation | .849** | .855** | 1 | .856** | .856** | .871** | .944** |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PM4 | Pearson Correlation | .825** | .862** | .856** | 1 | .876** | .883** | .946** |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PM5 | Pearson Correlation | .777** | .787** | .856** | .876** | 1 | .903** | .928** |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PM6 | Pearson Correlation | .763** | .798** | .871** | .883** | .903** | 1 | .931** |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| TOTPM | Pearson Correlation | .918** | .933** | .944** | .946** | .928** | .931** | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |

**. Correlation is significant at the 0.01 level (2-tailed).

```
CORRELATIONS
  /VARIABLES=PK1 PK2 PK3 PK4 PK5 PK6 TOTPK
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

## Correlations

**Correlations**

| | | PK1 | PK2 | PK3 | PK4 | PK5 | PK6 | TOTPK |
|---|---|---|---|---|---|---|---|---|
| PK1 | Pearson Correlation | 1 | .906** | .847** | .805** | .863** | .830** | .929** |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PK2 | Pearson Correlation | .906** | 1 | .884** | .841** | .841** | .854** | .942** |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PK3 | Pearson Correlation | .847** | .884** | 1 | .864** | .912** | .876** | .953** |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PK4 | Pearson Correlation | .805** | .841** | .864** | 1 | .879** | .872** | .932** |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PK5 | Pearson Correlation | .863** | .841** | .912** | .879** | 1 | .879** | .951** |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| PK6 | Pearson Correlation | .830** | .854** | .876** | .872** | .879** | 1 | .941** |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| TOTPK | Pearson Correlation | .929** | .942** | .953** | .932** | .951** | .941** | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | |
| | N | 105 | 105 | 105 | 105 | 105 | 105 | 105 |

**. Correlation is significant at the 0.01 level (2-tailed).

```
CORRELATIONS
  /VARIABLES=NS1 NS2 NS3 NS4 TOTNS
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

## Correlations

**Correlations**

| | | NS1 | NS2 | NS3 | NS4 | TOTNS |
|---|---|---|---|---|---|---|
| NS1 | Pearson Correlation | 1 | .818** | .818** | .827** | .930** |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 |
| NS2 | Pearson Correlation | .818** | 1 | .801** | .794** | .916** |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 |
| NS3 | Pearson Correlation | .818** | .801** | 1 | .866** | .937** |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 |
| NS4 | Pearson Correlation | .827** | .794** | .866** | 1 | .938** |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 |
| | N | 105 | 105 | 105 | 105 | 105 |
| TOTNS | Pearson Correlation | .930** | .916** | .937** | .938** | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | |
| | N | 105 | 105 | 105 | 105 | 105 |

**. Correlation is significant at the 0.01 level (2-tailed).

```
CORRELATIONS
  /VARIABLES=NMJ1 NMJ2 NMJ3 NMJ4 NMJ5 TOTNMJ
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

## Correlations

**Correlations**

| | | NMJ1 | NMJ2 | NMJ3 | NMJ4 | NMJ5 | TOTNMJ |
|---|---|---|---|---|---|---|---|
| NMJ1 | Pearson Correlation | 1 | .963** | .808** | .814** | .871** | .944** |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 |
| NMJ2 | Pearson Correlation | .963** | 1 | .813** | .830** | .855** | .945** |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 |
| NMJ3 | Pearson Correlation | .808** | .813** | 1 | .938** | .867** | .936** |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 |
| NMJ4 | Pearson Correlation | .814** | .830** | .938** | 1 | .907** | .949** |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 |
| NMJ5 | Pearson Correlation | .871** | .855** | .867** | .907** | 1 | .951** |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 |
| | N | 105 | 105 | 105 | 105 | 105 | 105 |
| TOTNMJ | Pearson Correlation | .944** | .945** | .936** | .949** | .951** | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | |
| | N | 105 | 105 | 105 | 105 | 105 | 105 |

**. Correlation is significant at the 0.01 level (2-tailed).

## Lampiran 3

```
DESCRIPTIVES VARIABLES=KP1 KP2 KP3 KP4 TOTAL MKP PM1 PM2 PM3 PM4 PM5
PM6 TOTPM MPM PK1 PK2 PK3 PK4 PK5 PK6 TOTPK MPK NS1 NS2 NS3 NS4
TOTNS MNS NMJ1 NMJ2 NMJ3 NMJ4 NMJ5 TOTNMJ MNMJ
  /STATISTICS=MEAN STDDEV MIN MAX.
```

## Descriptives

**Descriptive Statistics**

| | N | Minimum | Maximum | Mean | Std. Deviation |
|---|---|---|---|---|---|
| KP1 | 105 | 1.00 | 5.00 | 2.4190 | .94849 |
| KP2 | 105 | 1.00 | 2.00 | 1.8000 | .40192 |
| KP3 | 105 | 1.00 | 4.00 | 2.3143 | .93350 |
| KP4 | 105 | 1.00 | 5.00 | 2.1143 | 1.16284 |
| TOTAL | 105 | 5.00 | 12.00 | 8.6476 | 1.90637 |
| MKP | 105 | 1.25 | 3.00 | 2.1619 | .47659 |
| PM1 | 105 | 1.00 | 5.00 | 3.4095 | 1.00666 |
| PM2 | 105 | 1.00 | 5.00 | 3.4667 | .96144 |
| PM3 | 105 | 1.00 | 5.00 | 3.5524 | .97054 |
| PM4 | 105 | 1.00 | 5.00 | 3.5333 | .96144 |
| PM5 | 105 | 1.00 | 5.00 | 3.6000 | .98645 |
| PM6 | 105 | 1.00 | 5.00 | 3.6762 | .97562 |
| TOTPM | 105 | 6.00 | 30.00 | 21.2381 | 5.47112 |
| MPM | 105 | 1.00 | 5.00 | 3.5397 | .91185 |
| PK1 | 105 | 1.00 | 5.00 | 3.5619 | .89790 |
| PK2 | 105 | 1.00 | 5.00 | 3.5619 | .90855 |
| PK3 | 105 | 1.00 | 5.00 | 3.5619 | .90855 |
| PK4 | 105 | 1.00 | 5.00 | 3.6000 | .92612 |
| PK5 | 105 | 1.00 | 5.00 | 3.5714 | .89719 |
| PK6 | 105 | 1.00 | 5.00 | 3.7238 | .94559 |
| TOTPK | 105 | 6.00 | 30.00 | 21.5810 | 5.16233 |
| MPK | 105 | 1.00 | 5.00 | 3.5968 | .86039 |
| NS1 | 105 | 1.00 | 5.00 | 3.7333 | .90157 |
| NS2 | 105 | 1.00 | 5.00 | 3.6000 | .88361 |
| NS3 | 105 | 1.00 | 5.00 | 3.6571 | .91807 |
| NS4 | 105 | 1.00 | 5.00 | 3.8381 | .92116 |
| TOTNS | 105 | 4.00 | 20.00 | 14.8286 | 3.37256 |
| MNS | 105 | 1.00 | 5.00 | 3.7071 | .84314 |

| | | | | | |
|---|---|---|---|---|---|
| NMJ1 | 105 | 1.00 | 5.00 | 3.7810 | .93006 |
| NMJ2 | 105 | 1.00 | 5.00 | 3.7524 | .94849 |
| NMJ3 | 105 | 1.00 | 5.00 | 3.6190 | .92384 |
| NMJ4 | 105 | 1.00 | 5.00 | 3.6095 | .91457 |
| NMJ5 | 105 | 1.00 | 5.00 | 3.7143 | .89565 |
| TOTNMJ | 105 | 5.00 | 25.00 | 18.4762 | 4.35911 |
| MNMJ | 105 | 1.00 | 5.00 | 3.6952 | .87182 |
| Valid N (listwise) | 105 | | | | |

## Lampiran 4

```
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA COLLIN TOL
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT MNMJ
  /METHOD=ENTER MNS MPM MPK KP1 KP2 KP3 KP4
  /SCATTERPLOT=(*SRESID ,*ZPRED)
  /RESIDUALS DURBIN
  /SAVE RESID.
```

## Regression

**Variables Entered/Removed[a]**

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | KP4, KP2, MPK, KP1, KP3, MNS, MPM[b] | . | Enter |

a. Dependent Variable: MNMJ

b. All requested variables entered.

**Model Summary[b]**

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|---|---|---|---|---|---|
| 1 | .864[a] | .746 | .728 | .45462 | 2.188 |

a. Predictors: (Constant), KP4, KP2, MPK, KP1, KP3, MNS, MPM

b. Dependent Variable: MNMJ

**ANOVA[a]**

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 59.000 | 7 | 8.429 | 40.781 | .000[b] |
| | Residual | 20.048 | 97 | .207 | | |
| | Total | 79.048 | 104 | | | |

a. Dependent Variable: MNMJ

b. Predictors: (Constant), KP4, KP2, MPK, KP1, KP3, MNS, MPM

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
|---|---|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | | Tolerance | VIF |
| 1 | (Constant) | .500 | .401 | | 1.246 | .216 | | |
| | MNS | .380 | .096 | .368 | 3.959 | .000 | .303 | 3.300 |
| | MPM | .206 | .120 | .215 | 1.710 | .090 | .165 | 6.067 |
| | MPK | .342 | .137 | .337 | 2.500 | .014 | .144 | 6.962 |
| | KP1 | -.053 | .050 | -.057 | -1.053 | .295 | .882 | 1.134 |
| | KP2 | -.053 | .120 | -.024 | -.439 | .662 | .856 | 1.168 |
| | KP3 | .033 | .052 | .036 | .637 | .526 | .834 | 1.199 |
| | KP4 | -.013 | .040 | -.017 | -.323 | .747 | .922 | 1.084 |

a. Dependent Variable: MNMJ

**Collinearity Diagnostics[a]**

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (Constant) | MNS | MPM | MPK | KP1 | KP2 | KP3 | KP4 |
| 1 | 1 | 7.374 | 1.000 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| | 2 | .265 | 5.278 | .00 | .00 | .00 | .00 | .00 | .00 | .05 | .46 |
| | 3 | .149 | 7.030 | .00 | .00 | .00 | .00 | .00 | .01 | .43 | .44 |
| | 4 | .133 | 7.443 | .00 | .00 | .00 | .00 | .72 | .04 | .01 | .00 |
| | 5 | .052 | 11.934 | .01 | .01 | .01 | .01 | .07 | .45 | .42 | .02 |
| | 6 | .012 | 24.354 | .20 | .51 | .20 | .04 | .06 | .17 | .03 | .00 |
| | 7 | .010 | 27.843 | .79 | .41 | .02 | .00 | .15 | .32 | .05 | .06 |
| | 8 | .005 | 38.533 | .00 | .06 | .75 | .95 | .00 | .00 | .01 | .01 |

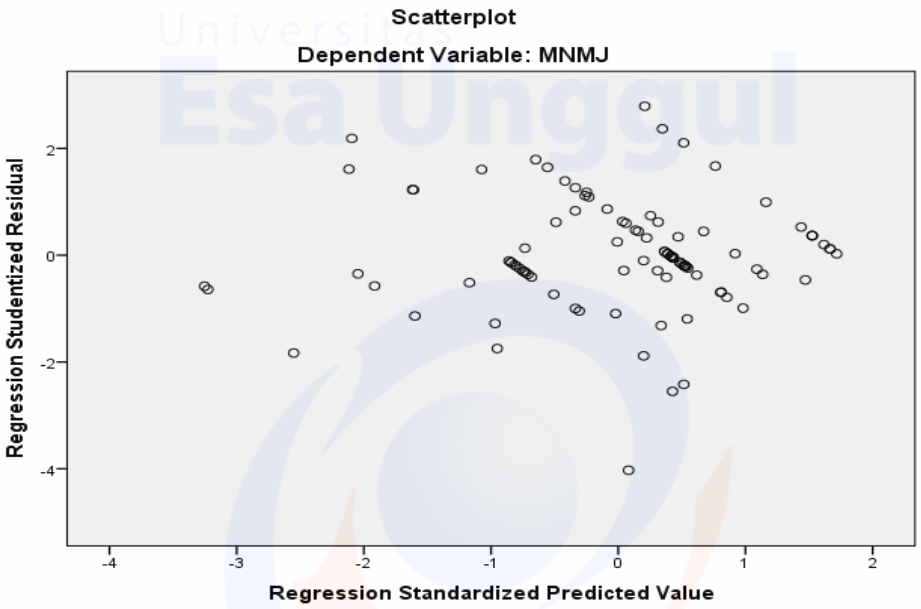
a. Dependent Variable: MNMJ

**Residuals Statistics[a]**

| | Minimum | Maximum | Mean | Std. Deviation | N |
|---|---|---|---|---|---|
| Predicted Value | 1.2451 | 4.9890 | 3.6952 | .75320 | 105 |
| Std. Predicted Value | -3.253 | 1.718 | .000 | 1.000 | 105 |
| Standard Error of Predicted Value | .068 | .219 | .120 | .036 | 105 |
| Adjusted Predicted Value | 1.2846 | 4.9882 | 3.6936 | .75674 | 105 |
| Residual | -1.75614 | 1.14802 | .00000 | .43905 | 105 |
| Std. Residual | -3.863 | 2.525 | .000 | .966 | 105 |
| Stud. Residual | -4.028 | 2.791 | .002 | 1.017 | 105 |
| Deleted Residual | -1.90949 | 1.40224 | .00166 | .48825 | 105 |
| Stud. Deleted Residual | -4.391 | 2.895 | .000 | 1.043 | 105 |
| Mahal. Distance | 1.351 | 23.037 | 6.933 | 4.791 | 105 |
| Cook's Distance | .000 | .244 | .015 | .039 | 105 |
| Centered Leverage Value | .013 | .222 | .067 | .046 | 105 |

a. Dependent Variable: MNMJ

## Charts



```
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA COLLIN TOL
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT MPM
  /METHOD=ENTER KP1 KP2 KP3 KP4
  /SCATTERPLOT=(*SRESID ,*ZPRED)
  /RESIDUALS DURBIN
  /SAVE RESID.
```

## Regression

**Variables Entered/Removed[a]**

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | KP4, KP2, KP3, KP1[b] | . | Enter |

a. Dependent Variable: MPM

b. All requested variables entered.

**Model Summary[b]**

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|---|---|---|---|---|---|
| 1 | .369[a] | .136 | .101 | .86436 | 1.782 |

a. Predictors: (Constant), KP4, KP2, KP3, KP1

b. Dependent Variable: MPM

**ANOVA[a]**

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 11.762 | 4 | 2.941 | 3.936 | .005[b] |
| | Residual | 74.711 | 100 | .747 | | |
| | Total | 86.474 | 104 | | | |

a. Dependent Variable: MPM

b. Predictors: (Constant), KP4, KP2, KP3, KP1

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
|---|---|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | | Tolerance | VIF |
| 1 | (Constant) | 4.537 | .559 | | 8.111 | .000 | | |
| | KP1 | .045 | .095 | .047 | .478 | .634 | .884 | 1.131 |
| | KP2 | -.107 | .228 | -.047 | -.470 | .640 | .859 | 1.165 |
| | KP3 | -.286 | .094 | -.293 | -3.045 | .003 | .932 | 1.073 |
| | KP4 | -.119 | .074 | -.152 | -1.607 | .111 | .964 | 1.037 |

a. Dependent Variable: MPM

**Collinearity Diagnostics[a]**

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | (Constant) | KP1 | KP2 | KP3 | KP4 |
| 1 | 1 | 4.565 | 1.000 | .00 | .00 | .00 | .01 | .01 |
| | 2 | .192 | 4.881 | .00 | .11 | .01 | .01 | .88 |
| | 3 | .138 | 5.743 | .00 | .44 | .03 | .29 | .08 |
| | 4 | .089 | 7.148 | .03 | .07 | .16 | .70 | .00 |
| | 5 | .015 | 17.314 | .97 | .37 | .80 | .00 | .03 |

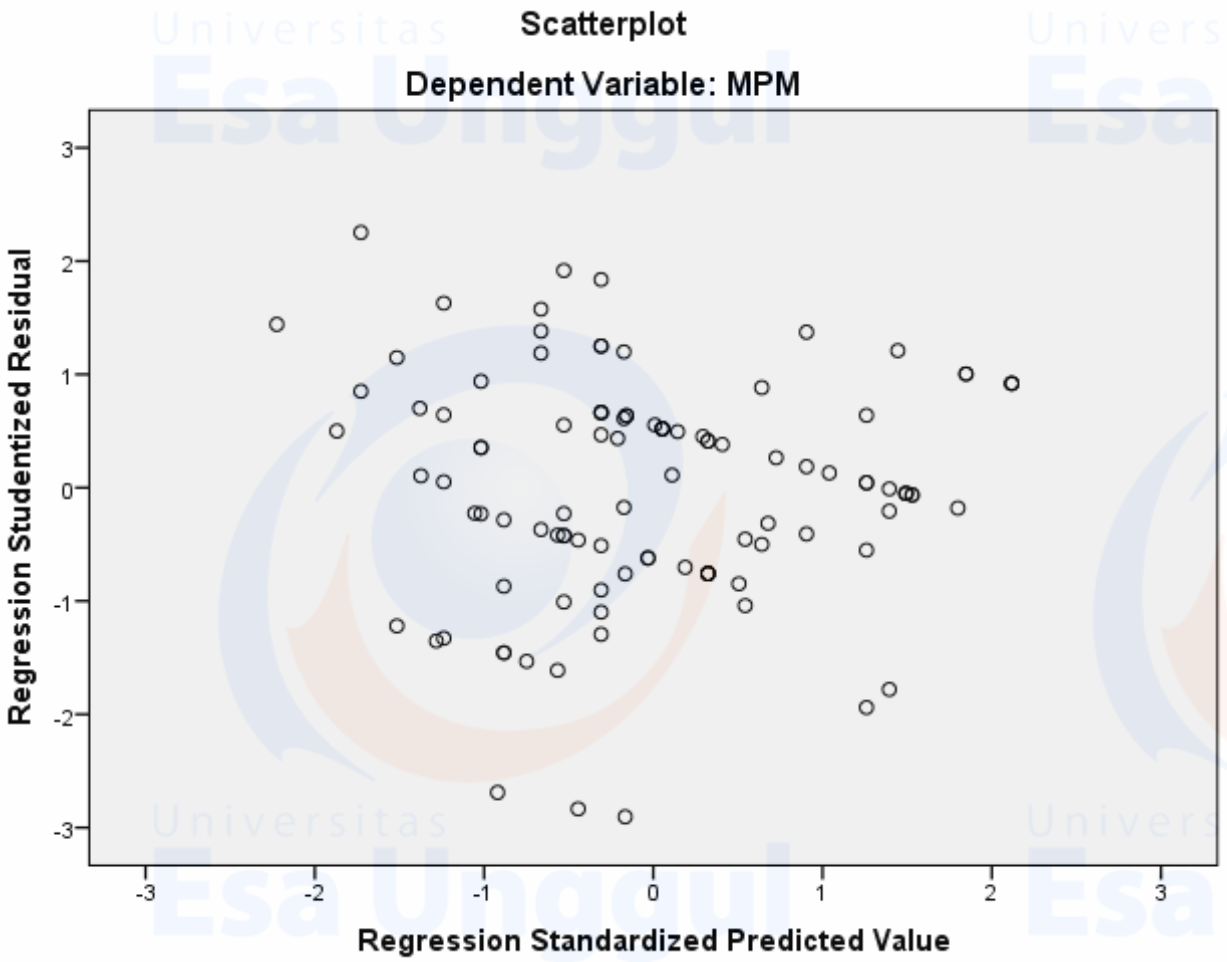
a. Dependent Variable: MPM

**Residuals Statistics[a]**

| | Minimum | Maximum | Mean | Std. Deviation | N |
|---|---|---|---|---|---|
| Predicted Value | 2.7915 | 4.2517 | 3.5397 | .33630 | 105 |
| Std. Predicted Value | -2.225 | 2.117 | .000 | 1.000 | 105 |
| Standard Error of Predicted Value | .103 | .328 | .181 | .055 | 105 |
| Adjusted Predicted Value | 2.7150 | 4.1677 | 3.5356 | .33317 | 105 |
| Residual | -2.48364 | 1.87470 | .00000 | .84757 | 105 |
| Std. Residual | -2.873 | 2.169 | .000 | .981 | 105 |
| Stud. Residual | -2.905 | 2.252 | .002 | 1.004 | 105 |
| Deleted Residual | -2.53785 | 2.02132 | .00413 | .88945 | 105 |
| Stud. Deleted Residual | -3.020 | 2.300 | .000 | 1.017 | 105 |
| Mahal. Distance | .499 | 13.966 | 3.962 | 3.183 | 105 |
| Cook's Distance | .000 | .125 | .010 | .018 | 105 |
| Centered Leverage Value | .005 | .134 | .038 | .031 | 105 |

a. Dependent Variable: MPM

## Charts



```
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA COLLIN TOL
  /CRITERIA=PIN(.05) POUT(.10)
  /NOORIGIN
  /DEPENDENT MPK
  /METHOD=ENTER KP1 KP2 KP3 KP4
  /SCATTERPLOT=(*SRESID ,*ZPRED)
  /RESIDUALS DURBIN
  /SAVE RESID.
```

## Regression

**Variables Entered/Removed[a]**

| Model | Variables Entered | Variables Removed | Method |
|---|---|---|---|
| 1 | KP4, KP2, KP3, KP1[b] | . | Enter |

a. Dependent Variable: MPK

b. All requested variables entered.

**Model Summary[b]**

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|---|---|---|---|---|---|
| 1 | .379[a] | .144 | .110 | .81181 | 1.705 |

a. Predictors: (Constant), KP4, KP2, KP3, KP1

b. Dependent Variable: MPK

**ANOVA[a]**

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 11.084 | 4 | 2.771 | 4.205 | .003[b] |
| | Residual | 65.904 | 100 | .659 | | |
| | Total | 76.988 | 104 | | | |

a. Dependent Variable: MPK

b. Predictors: (Constant), KP4, KP2, KP3, KP1

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
|---|---|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | | Tolerance | VIF |
| 1 | (Constant) | 4.504 | .525 | | 8.572 | .000 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | KP1 | .040 | .089 | .044 | .451 | .653 | .884 | 1.131 |
| | KP2 | -.064 | .214 | -.030 | -.298 | .766 | .859 | 1.165 |
| | KP3 | -.303 | .088 | -.328 | -3.424 | .001 | .932 | 1.073 |
| | KP4 | -.090 | .070 | -.121 | -1.288 | .201 | .964 | 1.037 |

a. Dependent Variable: MPK

**Collinearity Diagnostics[a]**

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | (Constant) | KP1 | KP2 | KP3 | KP4 |
| 1 | 1 | 4.565 | 1.000 | .00 | .00 | .00 | .01 | .01 |
| | 2 | .192 | 4.881 | .00 | .11 | .01 | .01 | .88 |
| | 3 | .138 | 5.743 | .00 | .44 | .03 | .29 | .08 |
| | 4 | .089 | 7.148 | .03 | .07 | .16 | .70 | .00 |
| | 5 | .015 | 17.314 | .97 | .37 | .80 | .00 | .03 |

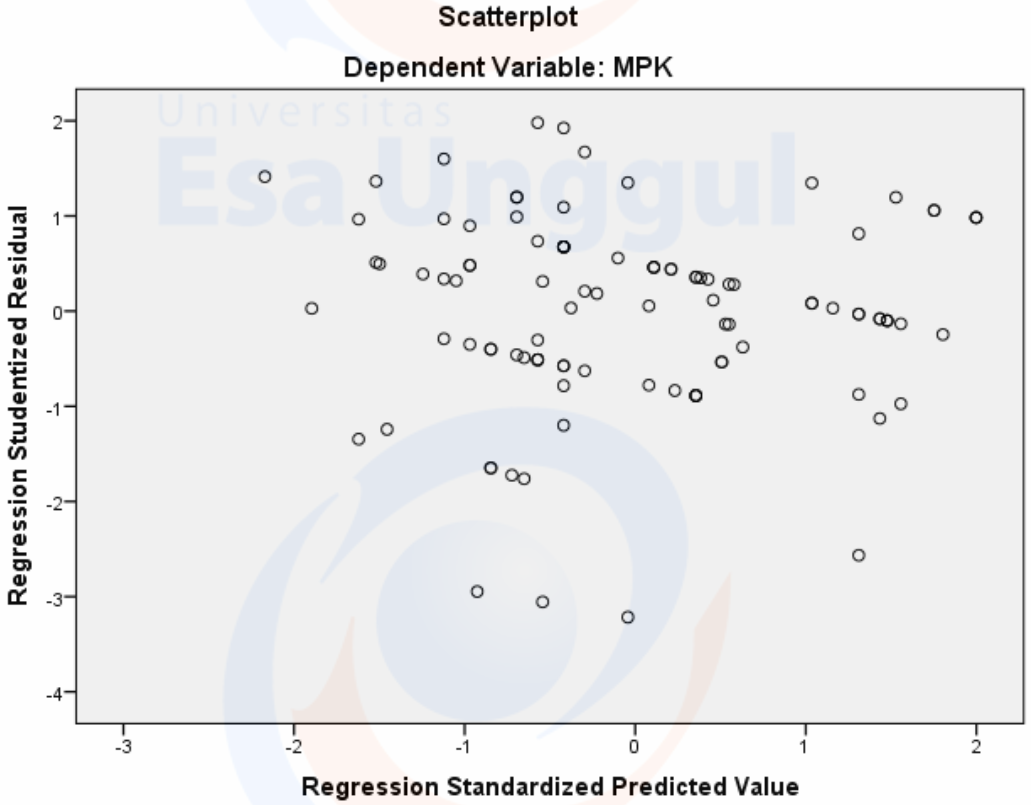
a. Dependent Variable: MPK

**Residuals Statistics[a]**

| | Minimum | Maximum | Mean | Std. Deviation | N |
|---|---|---|---|---|---|
| Predicted Value | 2.8880 | 4.2492 | 3.5968 | .32646 | 105 |
| Std. Predicted Value | -2.171 | 1.998 | .000 | 1.000 | 105 |
| Standard Error of Predicted Value | .097 | .308 | .170 | .051 | 105 |
| Adjusted Predicted Value | 2.8175 | 4.2148 | 3.5942 | .32259 | 105 |
| Residual | -2.58278 | 1.58971 | .00000 | .79605 | 105 |
| Std. Residual | -3.181 | 1.958 | .000 | .981 | 105 |
| Stud. Residual | -3.216 | 1.981 | .002 | 1.004 | 105 |
| Deleted Residual | -2.63915 | 1.62624 | .00266 | .83476 | 105 |
| Stud. Deleted Residual | -3.379 | 2.010 | -.003 | 1.021 | 105 |
| Mahal. Distance | .499 | 13.966 | 3.962 | 3.183 | 105 |
| Cook's Distance | .000 | .150 | .010 | .020 | 105 |
| Centered Leverage Value | .005 | .134 | .038 | .031 | 105 |

a. Dependent Variable: MPK

## Charts


Scatterplot
Dependent Variable: MPK
Regression Studentized Residual
Regression Standardized Predicted Value
2
1
0
-1
-2
-3
-4
-3
-2
-1
0
1
2