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LAMPIRAN

Lampiran 1. *Syntax* R pembentukan model *null* dan model *cox proportional hazard*

```
library(survival)
library(splines)
data = read.csv("Documents/skripsi/Data/Data (revisi).csv", header =
       TRUE, sep = ';')

time = data$Hari
y = Surv(time)
usia = data$Kelompok.Umur
jk = data$Jenis.Kelamin
hemiplegia = data$Hemiplegia
kolesterol = data$Kolesterol
hipertensi = data$Hipertensi
dm = data$DM

#Model NULL (tanpa variabel)
mod0 = coxph(y~1) summary(mod0)

#Model CPH
mod1 = coxph(y~usia+jk+hemiplegia+kolesterol+hipertensi+dm,
       data=data)
summary(mod1)
```

Lampiran 2. *Syntax* R pengujian asumsi *proportional hazard*

```
#Uji Asumsi
cox.zph(mod1, transform=rank)
```

Lampiran 3. *Syntax* R pembentukan model cox *stratified* tanpa interaksi

```
#Model Stratifikasi tanpa Interaksi
mod2 = coxph(y~usia+jk+strata(hemiplegia)+kolesterol+hipertensi
       +dm, method = "breslow")
summary(mod2)
```

Lampiran 4. *Syntax* R pembentukan model cox *stratified* dengan interaksi

```
#Model Stratifikasi dengan Interaksi
mod3 = coxph(y~usia:strata(hemiplegia)+jk:strata(hemiplegia)
       +kolesterol:strata(hemiplegia)+hipertensi:strata(hemiplegia
)      +dm:strata(hemiplegia), method = "breslow")
summary(mod3)
```

Lampiran 5. *Syntax* R pembentukan model cox *stratified* dengan interaksi (alternatif)

```
#Model Stratifikasi dengan Interaksi Alternatif
mod4 = coxph(y~usia+jk+kolesterol+hipertensi+dm+usia
       *strata(hemiplegia)+jk*strata(hemiplegia)
       +kolesterol*strata(hemiplegia)+hipertensi*strata(hemiplegia
)      +dm*strata(hemiplegia), method = "breslow")
summary(mod4)
```

Lampiran 6. *Syntax* R pengujian interaksi model cox *stratified*

```
#Uji interaksi
tanpa <- logLik(mod2)
dengan <- logLik(mod3)
G <- -2 * (as.numeric(tanpa)-as.numeric(dengan))
df <- attr(dengan, "df") - attr(tanpa, "df")
p.val <- pchisq(G, df, lower.tail = FALSE)

cat("\n", "Log Likelihood Model tanpa Interaksi:", tanpa,
    "\n","Likelihood Ratio Model dengan Interaksi:", dengan,
    "\n", "Likelihood Ratio (G):", G, "\n", "Degrees of Freedom
    (df):", df, "\n", "p-value:", p.val, "\n")
```

Lampiran 7. *Syntax* R pengujian signifikansi secara serentak

```
#Uji signifikansi
null <- logLik(mod0)
dengan <- logLik(mod2)
G <- -2 * (as.numeric(null)-as.numeric(dengan))
df <- attr(dengan, "df") - attr(tanpa, "df")
p.val <- pchisq(G, df, lower.tail = FALSE)

cat("\n", "Log Likelihood Model tanpa Variabel:", tanpa, "\n",
    "Likelihood Ratio Model dengan Variabel:", dengan, "\n",
    "Likelihood Ratio (G):", G, "\n", "Degrees of Freedom (df):",
    df, "\n", "p-value:", p.val, "\n")
```

Lampiran 8. *Output* model *null* dan model cox *proportional hazard*

```
Call:  coxph(formula = y ~ 1)

Null model
  log likelihood= -1639.846
  n= 339

Call:
coxph(formula = y ~ usia + jk + hemiplegia + kolesterol + hipertensi
      + dm, data = data)

  n= 339, number of events= 339

               coef exp(coef) se(coef)      z Pr(>|z|)
usia       -0.28435   0.75250  0.23888 -1.190  0.23390
jk         -0.16971   0.84391  0.11033 -1.538  0.12401
hemiplegia -0.16238   0.85012  0.11673 -1.391  0.16422
kolesterol  0.38319   1.46696  0.13992  2.739  0.00617 **
hipertensi -0.08591   0.91768  0.18260 -0.470  0.63801
dm         -0.21192   0.80903  0.14769 -1.435  0.15133
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

           exp(coef) exp(-coef) lower .95 upper .95
usia          0.7525     1.3289    0.4712     1.202
jk            0.8439     1.1850    0.6798     1.048
hemiplegia    0.8501     1.1763    0.6763     1.069
kolesterol    1.4670     0.6817    1.1151     1.930
hipertensi    0.9177     1.0897    0.6416     1.313
dm            0.8090     1.2360    0.6057     1.081

Concordance= 0.607  (se = 0.02 )
Likelihood ratio test= 14.55  on 6 df,   p=0.02
Wald test            = 14.89  on 6 df,   p=0.02
Score (logrank) test = 15.01  on 6 df,   p=0.02
```

Lampiran 9. *Output* uji asumsi *proportional hazard*

```
            chisq df       p
usia        0.761  1 0.38295
jk          0.938  1 0.33284
hemiplegia 17.683  1 2.6e-05
kolesterol  0.172  1 0.67826
hipertensi  1.653  1 0.19850
dm          2.845  1 0.09168
GLOBAL     23.335  6 0.00069
```

Lampiran 10. *Output* cox *stratified* tanpa interaksi

```
Call:
coxph(formula = y ~ usia + jk + strata(hemiplegia) + kolesterol +
      hipertensi + dm, method = "breslow")

  n= 339, number of events= 339

               coef exp(coef) se(coef)      z Pr(>|z|)
usia       -0.32213   0.72460  0.23961 -1.344   0.1788
jk         -0.13688   0.87208  0.11060 -1.238   0.2159
kolesterol   0.32383   1.38241  0.13950  2.321   0.0203 *
hipertensi -0.08429   0.91916  0.18304 -0.461   0.6451
dm         -0.18388   0.83204  0.14810 -1.242   0.2144
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

           exp(coef) exp(-coef) lower .95 upper .95
usia          0.7246     1.3801    0.4530     1.159
jk            0.8721     1.1467    0.7021     1.083
kolesterol     1.3824     0.7234    1.0517     1.817
hipertensi    0.9192     1.0879    0.6421     1.316
dm            0.8320     1.2019    0.6224     1.112

Concordance= 0.602  (se = 0.021 )
Likelihood ratio test= 9.79  on 5 df,   p=0.08
Wald test            = 10.06  on 5 df,   p=0.07
Score (logrank) test = 10.13  on 5 df,   p=0.07
```

Lampiran 11. *Output* model cox *stratified* dengan interaksi

```
Call:
coxph(formula = y ~ usia:strata(hemiplegia) + jk:strata(hemiplegia) +
      kolesterol:strata(hemiplegia) + hipertensi:strata(hemiplegia) +
      dm:strata(hemiplegia), method = "breslow")

  n= 339, number of events= 339

                                          coef exp(coef) se(coef)      z Pr(>|z|)
usia:strata(hemiplegia)hemiplegia=0        0.27160   1.31206  0.42384  0.641   0.5216
usia:strata(hemiplegia)hemiplegia=1       -0.74953   0.47259  0.29302 -2.558   0.0105
strata(hemiplegia)hemiplegia=0:jk         -0.17965   0.83556  0.18162 -0.989   0.3226
strata(hemiplegia)hemiplegia=1:jk         -0.13130   0.87695  0.14174 -0.926   0.3542
strata(hemiplegia)hemiplegia=0:kolesterol  0.27712   1.31933  0.26224  1.057   0.2906
strata(hemiplegia)hemiplegia=1:kolesterol  0.31121   1.36508  0.16699  1.864   0.0624
strata(hemiplegia)hemiplegia=0:hipertensi -0.26163   0.76979  0.34849 -0.751   0.4528
strata(hemiplegia)hemiplegia=1:hipertensi -0.03990   0.96088  0.21658 -0.184   0.8538
strata(hemiplegia)hemiplegia=0:dm         -0.08426   0.91919  0.28813 -0.292   0.7700
strata(hemiplegia)hemiplegia=1:dm         -0.22853   0.79570  0.17244 -1.325   0.1851
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

                                         exp(coef) exp(-coef) lower .95 upper .95
usia:strata(hemiplegia)hemiplegia=0         1.3121     0.7622    0.5717    3.0111
usia:strata(hemiplegia)hemiplegia=1         0.4726     2.1160    0.2661    0.8393
strata(hemiplegia)hemiplegia=0:jk           0.8356     1.1968    0.5853    1.1928
strata(hemiplegia)hemiplegia=1:jk           0.8770     1.1403    0.6642    1.1578
strata(hemiplegia)hemiplegia=0:kolesterol    1.3193     0.7580    0.7891    2.2058
strata(hemiplegia)hemiplegia=1:kolesterol    1.3651     0.7326    0.9841    1.8936
strata(hemiplegia)hemiplegia=0:hipertensi   0.7698     1.2990    0.3888    1.5241
strata(hemiplegia)hemiplegia=1:hipertensi   0.9609     1.0407    0.6285    1.4690
strata(hemiplegia)hemiplegia=0:dm           0.9192     1.0879    0.5226    1.6168
strata(hemiplegia)hemiplegia=1:dm           0.7957     1.2567    0.5675    1.1157

Concordance= 0.61  (se = 0.02 )
Likelihood ratio test= 14.59  on 10 df,   p=0.1
Wald test            = 15.65  on 10 df,   p=0.1
Score (logrank) test = 16.06  on 10 df,   p=0.1
```

Lampiran 12. *Output* model cox *stratified* dengan interaksi (alternatif)

```
Call:
coxph(formula = y ~ usia + jk + kolesterol + hipertensi + dm +
    usia * strata(hemiplegia) + jk * strata(hemiplegia) + kolesterol *
    strata(hemiplegia) + hipertensi * strata(hemiplegia) + dm *
    strata(hemiplegia), method = "breslow")

  n= 339, number of events= 339

                                            coef exp(coef) se(coef)      z Pr(>|z|)
usia                                     0.27160   1.31206  0.42384  0.641   0.5216
jk                                      -0.17965   0.83556  0.18162 -0.989   0.3226
kolesterol                               0.27712   1.31933  0.26224  1.057   0.2906
hipertensi                              -0.26163   0.76979  0.34849 -0.751   0.4528
dm                                      -0.08426   0.91919  0.28813 -0.292   0.7700
usia:strata(hemiplegia)hemiplegia=1     -1.02113   0.36019  0.51527 -1.982   0.0475
jk:strata(hemiplegia)hemiplegia=1        0.04835   1.04954  0.23038  0.210   0.8338
kolesterol:strata(hemiplegia)hemiplegia=1  0.03409   1.03468  0.31089  0.110   0.9127
hipertensi:strata(hemiplegia)hemiplegia=1  0.22173   1.24823  0.41031  0.540   0.5889
dm:strata(hemiplegia)hemiplegia=1       -0.14427   0.86566  0.33579 -0.430   0.6675
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

                                         exp(coef) exp(-coef) lower .95 upper .95
usia                                        1.3121     0.7622    0.5717    3.0111
jk                                          0.8356     1.1968    0.5853    1.1928
kolesterol                                  1.3193     0.7580    0.7891    2.2058
hipertensi                                  0.7698     1.2990    0.3888    1.5241
dm                                          0.9192     1.0879    0.5226    1.6168
usia:strata(hemiplegia)hemiplegia=1         0.3602     2.7763    0.1312    0.9888
jk:strata(hemiplegia)hemiplegia=1           1.0495     0.9528    0.6682    1.6485
kolesterol:strata(hemiplegia)hemiplegia=1   1.0347     0.9665    0.5626    1.9030
hipertensi:strata(hemiplegia)hemiplegia=1   1.2482     0.8011    0.5585    2.7897
dm:strata(hemiplegia)hemiplegia=1           0.8657     1.1552    0.4482    1.6717

Concordance= 0.61  (se = 0.02 )
Likelihood ratio test= 14.59  on 10 df,   p=0.1
Wald test            = 15.65  on 10 df,   p=0.1
Score (logrank) test = 16.06  on 10 df,   p=0.1
```

Lampiran 13. *Output* pengujian interaksi model cox *stratified*

```
Log Likelihood Model tanpa Interaksi: -1493.4
Log Likelihood Model dengan Interaksi: -1491
Likelihood Ratio (G): 4.801006
Degrees of Freedom (df): 5
p-value: 0.4406453
```

Lampiran 14. *Output* pengujian signifikansi secara serentak

```
Log Likelihood Model tanpa Variabel: -1639.846
Log Likelihood Model dengan Variabel: -1493.4
Likelihood Ratio (G): 292.8918
Degrees of Freedom (df): 5
p-value: 3.378109e-61
```

Lampiran 15. Data *survival*

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
4	69	1	0	1	1	1	0
3	72	1	1	0	1	0	0
7	77	1	0	1	1	1	1
7	78	1	1	1	1	0	0
4	79	1	0	0	0	0	0
4	82	1	0	1	0	1	0
4	50	1	0	1	0	0	0
8	51	1	1	1	0	1	1
6	52	1	0	1	0	1	0
6	52	1	1	1	0	0	1
6	53	1	1	1	1	0	0
4	55	1	0	0	0	0	0
6	55	1	1	1	0	0	0
7	56	1	0	1	0	1	0
4	59	1	0	1	0	0	0
6	59	1	1	0	0	1	1
5	62	1	0	0	0	0	0
7	62	1	1	1	0	0	1
9	54	1	1	0	0	1	0
4	64	1	0	1	0	1	0
5	67	1	0	1	0	0	0
4	43	0	0	1	0	0	0
6	53	1	0	1	0	0	0
3	54	1	0	0	0	0	0
7	71	1	1	1	0	0	1
7	78	1	1	0	0	0	0
7	50	1	1	1	0	0	0
6	53	1	0	1	0	1	0
7	62	1	0	0	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
6	63	1	0	1	0	0	0
10	66	1	1	1	0	0	1
7	49	1	0	0	0	0	0
6	60	1	1	0	0	0	1
4	53	1	0	1	0	0	1
7	76	1	0	1	0	0	0
8	66	1	1	0	0	0	1
6	56	1	0	1	0	0	0
6	49	1	1	0	0	0	0
6	31	0	1	0	0	0	0
6	50	1	1	1	1	0	0
5	52	1	0	0	0	0	0
8	78	1	1	1	1	0	0
6	76	1	0	1	0	0	0
5	67	1	0	1	0	1	1
5	75	1	0	0	1	0	0
5	63	1	1	0	0	0	0
5	71	1	1	0	0	0	1
3	62	1	0	1	1	0	0
5	64	1	0	0	0	1	0
4	61	1	0	0	0	0	0
3	52	1	1	0	1	0	0
5	68	1	0	0	0	0	0
5	57	1	1	1	1	0	1
5	63	1	0	0	0	1	0
5	42	0	1	1	0	0	0
6	51	1	0	1	0	0	0
4	51	1	1	1	1	0	1
7	54	1	1	1	0	0	0
4	55	1	1	0	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
3	58	1	0	0	0	0	0
9	58	1	1	1	1	0	1
5	60	1	0	1	1	0	0
5	60	1	1	1	0	0	0
7	63	1	0	0	0	0	0
4	64	1	0	1	1	0	0
7	64	1	0	1	0	1	1
8	66	1	0	1	0	0	1
5	69	1	0	1	0	0	0
4	69	1	1	0	0	0	1
6	71	1	1	1	0	0	0
3	73	1	0	0	0	0	0
5	43	0	1	1	0	0	0
4	41	0	0	1	0	0	0
5	42	0	1	1	0	1	0
4	47	1	1	0	0	0	0
4	49	1	1	0	0	0	0
4	50	1	1	0	0	0	0
6	51	1	0	0	1	0	0
4	60	1	0	1	0	0	0
5	60	1	0	0	0	0	0
5	62	1	1	1	0	0	0
8	68	1	0	1	0	0	1
7	70	1	1	0	0	0	0
7	71	1	1	1	0	0	0
4	72	1	1	0	1	0	0
4	78	1	1	1	1	0	0
9	84	1	1	0	1	0	0
5	45	1	0	1	0	0	1
6	43	0	1	1	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
5	44	0	1	1	1	1	0
5	45	1	1	0	0	0	0
5	45	1	1	1	1	1	0
6	46	1	0	1	0	0	0
5	46	1	0	0	0	0	0
2	46	1	1	0	0	0	0
4	47	1	1	1	1	0	0
5	48	1	0	1	1	0	0
5	48	1	1	1	0	0	0
7	48	1	0	1	1	0	0
7	50	1	1	1	0	0	0
4	50	1	1	1	0	0	0
5	51	1	1	0	1	0	1
11	51	1	0	1	0	0	0
5	52	1	1	1	0	0	0
6	54	1	0	1	0	0	1
6	55	1	0	0	0	0	0
5	55	1	0	0	0	0	0
6	55	1	0	1	0	0	1
4	56	1	1	0	1	0	0
6	57	1	0	1	0	0	0
8	57	1	1	1	0	0	0
6	58	1	0	1	0	0	0
6	58	1	0	1	0	0	1
4	58	1	0	1	0	1	0
5	59	1	1	1	0	1	0
7	62	1	0	0	0	1	0
4	63	1	1	0	0	0	0
7	63	1	0	1	0	0	1
6	65	1	1	1	1	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
6	66	1	1	1	0	0	0
5	67	1	0	0	0	0	0
5	68	1	1	1	0	0	0
6	68	1	0	1	1	1	0
5	69	1	1	1	1	0	0
4	72	1	0	1	0	0	0
5	76	1	1	1	1	0	0
5	76	1	1	1	0	0	0
5	76	1	1	1	1	1	0
6	77	1	0	0	0	0	0
6	78	1	1	0	0	0	0
5	85	1	0	1	0	1	1
3	89	1	1	1	1	0	0
3	46	1	1	0	0	0	0
10	55	1	0	1	0	0	0
11	80	1	0	0	0	0	1
7	49	1	1	1	0	0	1
8	73	1	1	1	0	1	0
6	70	1	0	1	0	0	0
4	60	1	1	1	1	0	1
5	65	1	1	1	1	0	0
5	59	1	0	1	0	1	1
8	69	1	0	1	0	0	0
4	60	1	1	1	0	0	0
6	66	1	0	1	0	0	0
8	57	1	0	1	0	1	0
5	55	1	0	1	1	0	1
7	50	1	1	0	0	0	1
6	75	1	1	1	0	0	0
7	66	1	0	1	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
5	57	1	1	1	0	0	0
4	63	1	0	0	0	0	0
5	55	1	1	1	0	0	0
2	70	1	1	0	0	0	0
5	58	1	1	1	0	0	0
5	47	1	1	1	0	0	0
6	53	1	0	1	0	0	0
5	51	1	1	1	1	0	0
6	51	1	0	1	0	0	0
4	57	1	1	1	1	0	0
4	70	1	1	1	0	0	0
3	60	1	0	1	0	0	0
5	58	1	0	1	0	0	1
4	81	1	0	1	0	0	0
5	85	1	1	0	0	0	0
5	51	1	0	1	0	0	0
5	72	1	1	1	0	0	0
3	69	1	1	0	0	0	0
7	52	1	1	0	0	1	0
6	57	1	0	1	1	0	0
6	60	1	0	1	0	0	0
6	54	1	1	1	0	0	0
5	70	1	1	1	0	0	0
5	66	1	1	0	0	0	0
6	40	0	1	1	1	0	1
5	84	1	1	1	0	0	0
4	68	1	1	1	1	0	0
4	57	1	0	1	0	0	0
7	70	1	0	0	0	0	0
10	25	0	0	0	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
5	33	0	1	0	0	0	0
7	41	0	1	0	0	0	0
5	45	1	0	1	0	0	0
7	46	1	1	1	0	0	0
6	47	1	1	1	0	0	1
5	48	1	0	0	1	1	0
7	48	1	1	1	0	0	1
8	49	1	0	1	0	0	1
6	50	1	0	1	1	0	0
6	51	1	0	1	0	0	0
6	51	1	1	0	0	0	0
5	52	1	0	1	1	0	0
6	52	1	1	1	0	0	0
5	53	1	1	1	0	0	0
5	53	1	0	1	0	1	1
6	54	1	0	0	1	0	0
5	54	1	1	0	1	0	1
7	55	1	0	1	0	1	1
5	55	1	1	1	0	0	0
7	55	1	1	0	0	0	0
5	55	1	0	1	0	0	0
5	55	1	1	1	0	0	0
5	55	1	1	1	1	0	0
7	56	1	1	1	1	0	0
5	59	1	1	0	0	0	0
5	59	1	0	1	0	0	0
6	60	1	1	1	0	0	1
3	60	1	0	0	0	0	0
4	60	1	0	1	0	0	0
4	61	1	0	1	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
6	63	1	0	1	0	0	0
8	63	1	0	1	0	1	0
5	63	1	0	1	0	0	0
5	64	1	0	1	1	0	0
6	65	1	1	1	0	0	0
4	65	1	0	0	1	0	0
4	65	1	0	0	1	0	0
10	66	1	1	1	0	0	0
5	68	1	0	0	0	0	0
5	69	1	1	1	0	0	0
5	71	1	0	1	0	0	1
7	75	1	1	1	0	0	1
4	75	1	0	0	0	0	0
7	81	1	1	0	0	0	0
5	84	1	0	1	0	0	0
5	49	1	0	0	1	0	1
6	63	1	1	0	0	0	0
12	54	1	0	1	0	0	0
8	46	1	1	1	0	0	0
8	60	1	1	1	1	0	0
5	41	0	0	0	0	0	0
7	56	1	0	0	0	0	0
6	61	1	0	1	0	0	0
7	62	1	0	0	0	0	0
7	70	1	0	1	0	0	1
7	65	1	1	1	0	0	0
7	76	1	1	1	0	0	0
6	44	0	0	1	0	0	0
5	46	1	0	1	0	0	0
6	48	1	0	1	1	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
5	51	1	0	1	0	1	0
4	54	1	0	1	1	0	0
4	70	1	0	1	1	0	0
5	77	1	0	0	0	0	0
6	58	1	1	1	0	0	0
6	63	1	1	1	0	0	1
6	65	1	1	0	0	0	0
5	51	1	0	1	0	0	0
5	52	1	0	1	1	0	1
5	52	1	0	1	0	0	0
5	61	1	0	1	0	0	1
5	64	1	0	1	0	0	0
5	80	1	0	1	0	0	0
5	51	1	1	1	0	0	0
5	52	1	1	1	0	0	0
5	54	1	1	0	0	1	0
4	65	1	0	0	0	0	0
4	24	0	1	0	0	0	0
4	43	0	1	1	0	0	0
5	78	1	0	0	0	0	0
6	57	1	0	1	0	0	1
5	53	1	1	1	1	0	0
5	40	0	0	1	0	0	0
11	48	1	0	0	0	0	0
11	49	1	1	0	0	0	0
7	49	1	0	1	0	0	0
6	50	1	0	1	0	0	0
8	50	1	0	1	0	0	0
6	51	1	1	0	0	0	0
6	52	1	1	1	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
7	53	1	0	1	0	0	0
5	53	1	0	1	0	0	0
1	53	1	0	0	0	0	0
5	54	1	1	1	0	0	0
4	55	1	0	0	0	0	0
6	56	1	0	1	0	0	1
4	57	1	0	1	0	0	1
6	58	1	1	1	0	0	0
2	58	1	0	0	0	0	1
4	58	1	0	1	1	0	0
6	58	1	0	0	1	0	0
5	59	1	1	0	1	0	0
5	59	1	1	1	0	0	0
6	61	1	0	1	0	0	0
7	64	1	1	0	0	0	0
7	64	1	1	1	1	0	0
7	65	1	1	1	0	0	0
6	65	1	0	1	1	0	0
4	67	1	1	0	0	0	0
4	67	1	0	1	1	0	0
6	68	1	1	1	0	0	0
8	68	1	1	1	0	0	0
2	68	1	0	0	0	0	0
25	68	1	1	0	0	0	0
4	68	1	0	0	0	0	0
7	70	1	0	1	1	0	0
4	71	1	0	1	0	0	0
7	71	1	1	0	0	0	0
7	71	1	0	1	0	0	0
6	72	1	1	0	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
3	73	1	1	0	0	0	0
7	76	1	1	1	0	0	0
6	85	1	1	0	0	0	0
6	92	1	1	0	0	0	0
7	93	1	0	1	0	0	0
3	41	0	1	1	0	0	0
8	50	1	1	1	0	0	1
5	53	1	0	0	0	1	1
6	63	1	0	1	0	0	0
7	64	1	1	0	0	0	0
8	64	1	1	1	0	0	0
5	69	1	0	1	0	0	0
5	47	1	0	1	0	0	0
8	52	1	0	1	0	0	0
7	58	1	0	1	0	0	0
6	65	1	1	0	0	0	0
5	68	1	0	1	0	0	0
7	54	1	0	1	0	0	0
5	77	1	1	0	0	0	0
6	71	1	1	1	0	0	1
4	80	1	0	0	1	0	0
9	65	1	0	0	0	0	0
4	69	1	0	0	0	0	0
3	43	0	1	1	0	0	0
5	56	1	0	0	0	0	0
3	57	1	1	0	0	0	1
4	66	1	0	0	1	0	1
4	80	1	1	0	0	0	0
5	59	1	1	0	0	0	0
6	67	1	1	0	0	0	0

Y	X_{1*}	X_1	X_2	X_3	X_4	X_5	X_6
8	67	1	1	0	0	0	0
4	54	1	0	0	0	0	0
3	72	1	0	0	0	0	0
4	66	1	1	0	0	0	0
4	85	1	0	0	0	0	0
3	61	1	0	0	0	0	0
3	62	1	1	0	0	0	0
2	65	1	0	0	0	0	0
7	77	1	1	0	0	0	0
6	85	1	0	0	0	0	0

Keterangan:

- Y = Lama rawat inap pasien
- X_{1*} = Usia pasien
- X_1 = Kelompok usia (0 = berusia < 44 tahun dan 1 = berusia ≥ 45 tahun)
- X_2 = Jenis kelamin (0 = pria dan 1 = wanita)
- X_3 = Jenis stroke (0 = stroke iskemik dan 1 = stroke hemoragik)
- X_4 = Status *hemiplegia* (0 = tidak dan 1 = ya)
- X_5 = Status kolesterol (0 = tidak dan 1 = ya)
- X_6 = Status hipertensi (0 = tidak dan 1 = ya)
- X_7 = Status *diabetes mellitus* (0 = tidak dan 1 = ya)

Lampiran 16. Tabel *chi-square*

df	$\chi^2_{.995}$	$\chi^2_{.990}$	$\chi^2_{.975}$	$\chi^2_{.950}$	$\chi^2_{.900}$	$\chi^2_{.100}$	$\chi^2_{.050}$	$\chi^2_{.025}$	$\chi^2_{.010}$	$\chi^2_{.005}$
1	0.000	0.000	0.001	0.004	0.016	2.706	3.841	5.024	6.635	7.879
2	0.010	0.020	0.051	0.103	0.211	4.605	5.991	7.378	9.210	10.597
3	0.072	0.115	0.216	0.352	0.584	6.251	7.815	9.348	11.345	12.838
4	0.207	0.297	0.484	0.711	1.064	7.779	9.488	11.143	13.277	14.860
5	0.412	0.554	0.831	1.145	1.610	9.236	11.070	12.833	15.086	16.750
6	0.676	0.872	1.237	1.635	2.204	10.645	12.592	14.449	16.812	18.548
7	0.989	1.239	1.690	2.167	2.833	12.017	14.067	16.013	18.475	20.278
8	1.344	1.646	2.180	2.733	3.490	13.362	15.507	17.535	20.090	21.955
9	1.735	2.088	2.700	3.325	4.168	14.684	16.919	19.023	21.666	23.589
10	2.156	2.558	3.247	3.940	4.865	15.987	18.307	20.483	23.209	25.188
11	2.603	3.053	3.816	4.575	5.578	17.275	19.675	21.920	24.725	26.757
12	3.074	3.571	4.404	5.226	6.304	18.549	21.026	23.337	26.217	28.300
13	3.565	4.107	5.009	5.892	7.042	19.812	22.362	24.736	27.688	29.819
14	4.075	4.660	5.629	6.571	7.790	21.064	23.685	26.119	29.141	31.319
15	4.601	5.229	6.262	7.261	8.547	22.307	24.996	27.488	30.578	32.801
16	5.142	5.812	6.908	7.962	9.312	23.542	26.296	28.845	32.000	34.267
17	5.697	6.408	7.564	8.672	10.085	24.769	27.587	30.191	33.409	35.718
18	6.265	7.015	8.231	9.390	10.865	25.989	28.869	31.526	34.805	37.156
19	6.844	7.633	8.907	10.117	11.651	27.204	30.144	32.852	36.191	38.582
20	7.434	8.260	9.591	10.851	12.443	28.412	31.410	34.170	37.566	39.997
21	8.034	8.897	10.283	11.591	13.240	29.615	32.671	35.479	38.932	41.401
22	8.643	9.542	10.982	12.338	14.041	30.813	33.924	36.781	40.289	42.796
23	9.260	10.196	11.689	13.091	14.848	32.007	35.172	38.076	41.638	44.181
24	9.886	10.856	12.401	13.848	15.659	33.196	36.415	39.364	42.980	45.559
25	10.520	11.524	13.120	14.611	16.473	34.382	37.652	40.646	44.314	46.928
26	11.160	12.198	13.844	15.379	17.292	35.563	38.885	41.923	45.642	48.290
27	11.808	12.879	14.573	16.151	18.114	36.741	40.113	43.195	46.963	49.645
28	12.461	13.565	15.308	16.928	18.939	37.916	41.337	44.461	48.278	50.993
29	13.121	14.256	16.047	17.708	19.768	39.087	42.557	45.722	49.588	52.336
30	13.787	14.953	16.791	18.493	20.599	40.256	43.773	46.979	50.892	53.672
40	20.707	22.164	24.433	26.509	29.051	51.805	55.758	59.342	63.691	66.766
50	27.991	29.707	32.357	34.764	37.689	63.167	67.505	71.420	76.154	79.490
60	35.534	37.485	40.482	43.188	46.459	74.397	79.082	83.298	88.379	91.952
70	43.275	45.442	48.758	51.739	55.329	85.527	90.531	95.023	100.425	104.215
80	51.172	53.540	57.153	60.391	64.278	96.578	101.879	106.629	112.329	116.321
90	59.196	61.754	65.647	69.126	73.291	107.565	113.145	118.136	124.116	128.299
100	67.328	70.065	74.222	77.929	82.358	118.498	124.342	129.561	135.807	140.169