K-fold	SVR	kernel	MSE	Squared Correlation Coefficient
2	Epsilon-SVR	Linear	30,2857	0,773059
2	nu-SVR	Linear	27,7038	0,794917
2	Epsilon-SVR	polinomial	5,98E+18	0,00215374
2	nu-SVR	polinomial	513,5	-nan(ind)
2	Epsilon-SVR	radial basis function	31,0504	0,801445
2	nu-SVR	radial basis function	39,1709	0,811908
2	Epsilon-SVR	sigmoid	133,942	0,000575827
2	nu-SVR	sigmoid	133,177	0,000575827
3	Epsilon-SVR	Linear	28,7149	0,787416
3	nu-SVR	Linear	31,2239	0,769481
3	Epsilon-SVR	polinomial	1,52E+19	0,00450218
3	nu-SVR	polinomial	513,5	-nan(ind)
3	Epsilon-SVR	radial basis function	25,0447	0,835429
3	nu-SVR	radial basis function	28,819	0,843654
3	Epsilon-SVR	sigmoid	133,597	0,000462177
3	nu-SVR	sigmoid	133,601	0,000382625
4	Epsilon-SVR	Linear	29,784	0,777541
4	nu-SVR	Linear	36,5303	0,731974
4	Epsilon-SVR	polinomial	3,52E+19	0,0259293
4	nu-SVR	polinomial	513,5	-nan(ind)
4	Epsilon-SVR	radial basis function	22,7278	0,849141
4	nu-SVR	radial basis function	24,869	0,854761
4	Epsilon-SVR	sigmoid	133,632	0,000575827
4	nu-SVR	sigmoid	133,68	0,000641924
5	Epsilon-SVR	Linear	31,6184	0,763369
5	nu-SVR	Linear	32,0577	0,760863
5	Epsilon-SVR	polinomial	3,44E+19	0,0495892
5	nu-SVR	polinomial	513,5	-nan(ind)
5	Epsilon-SVR	radial basis function	21,5392	0,856398
5	nu-SVR	radial basis function	22,955	0,860172
5	Epsilon-SVR	sigmoid	133,571	0,000317403
5	nu-SVR	sigmoid	133.606	0,000567315

Dari hasil yang diperoleh nilai mean squared error paling kecil adalah 21,5392 dengan type-svm (Epsilon-SVR) dan kernel (radial basis function).

k-fold 2

svm-train.exe -s 3 -t 0 -v 2 datsetalga2wmixset
Epsilon-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
nu = 0.953865
obj = -6713.352023, rho = -191.496845
nSV = 1922, nBSV = 1897
Cross Validation Mean squared error = 30.2857
Cross Validation Squared correlation coefficient = 0.773059

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 0 -v 2 datsetalga2wmixset
nu-SVR, Kernel (Linear)

```
WARNING: reaching max number of iterations

optimization finished, #iter = 10000000
epsilon = 2.274439
obj = -5846.141687, rho = -177.601486
nSV = 1012, nBSV = 982
Cross Validation Mean squared error = 27.7038
Cross Validation Squared correlation coefficient = 0.794917

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 1 -v 2 datsetalga2wmixset
Epsilon-SVR, Kernel (polinomial)

```
optimization finished, #iter = 10000000
nu = 0.985588
obj = -7824807532324.713867, rho = 4876576217.441560
nSV = 1986, nBSV = 1956
Cross Validation Mean squared error = 5.98217e+18
Cross Validation Squared correlation coefficient = 0.00215374

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 1 -v 2 datsetalga2wmixset
nu-SVR, Kernel (polinomial)

```
optimization finished, #iter = 0
epsilon = -0.000000
obj = 0.000000, rho = 0.000000
nSV = 0, nBSV = 0
Cross Validation Mean squared error = 513.5
Cross Validation Squared correlation coefficient = -nan(ind)

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 2 -v 2 datsetalga2wmixset
Epsilon-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 1650
nu = 0.727596
obj = -10462.317205, rho = -20.308331
nSV = 1669, nBSV = 1290
Cross Validation Mean squared error = 31.0504
Cross Validation Squared correlation coefficient = 0.801445

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 2 -v 2 datsetalga2wmixset
nu-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 1380
epsilon = 3.565677
obj = -10013.565223, rho = -20.908092
nSV = 1179, nBSV = 882
Cross Validation Mean squared error = 39.1709
Cross Validation Squared correlation coefficient = 0.811908

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 3 -v 2 datsetalga2wmixset
Epsilon-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 979
nu = 0.979000
obj = -19748.200000, rho = -18.900000
nSV = 1958, nBSV = 1958
Cross Validation Mean squared error = 133.942
Cross Validation Squared correlation coefficient = 0.000575827

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 3 -v 2 datsetalga2wmixset
nu-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 740
epsilon = 10.000000
obj = -14967.000000, rho = -19.000000
nSV = 1000, nBSV = 1000
Cross Validation Mean squared error = 133.777
Cross Validation Squared correlation coefficient = 0.000575827

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

k-fold 3

svm-train.exe -s 3 -t 0 -v 3 datsetalga2wmixset
Epsilon-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
nu = 0.940495
obj = -8836.551886, rho = -204.418454
nSV = 2530, nBSV = 2486
Cross Validation Mean squared error = 28.7149
Cross Validation Squared correlation coefficient = 0.787416

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 0 -v 3 datsetalga2wmixset
nu-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
epsilon = 2.255633
obj = -7749.792969, rho = -200.185203
nSV = 1347, nBSV = 1320
Cross Validation Mean squared error = 31.2239
Cross Validation Squared correlation coefficient = 0.769481

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 1 -v 3 datsetalga2wmixset
Epsilon-SVR, Kernel (polinomial)

```
optimization finished, #iter = 10000000
nu = 0.985450
obj = -12949162625113.125000, rho = 25371082759.941227
nSV = 2643, nBSV = 2612
Cross Validation Mean squared error = 1.51566e+19
Cross Validation Squared correlation coefficient = 0.00450218

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 1 -v 3 datsetalga2wmixset
nu-SVR, Kernel (polinomial)

```
optimization finished, #iter = 0
epsilon = -0.000000
obj = 0.000000, rho = 0.000000
nSV = 0, nBSV = 0
Cross Validation Mean squared error = 513.5
Cross Validation Squared correlation coefficient = -nan(ind)

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 2 -v 3 datsetalga2wmixset
Epsilon-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 2254
nu = 0.696172
obj = -12468.468308, rho = -20.814734
nSV = 2105, nBSV = 1640
Cross Validation Mean squared error = 25.0447
Cross Validation Squared correlation coefficient = 0.835429

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 2 -v 3 datsetalga2wmixset
nu-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 1776
epsilon = 2.379326
obj = -12269.959121, rho = -21.105103
nSV = 1510, nBSV = 1190
Cross Validation Mean squared error = 28.819
Cross Validation Squared correlation coefficient = 0.843654

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 3 -v 3 datsetalga2wmixset
Epsilon-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 1309
nu = 0.981995
obj = -26393.200000, rho = -19.100000
nSV = 2618, nBSV = 2618
Cross Validation Mean squared error = 133.597
Cross Validation Squared correlation coefficient = 0.000462177

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 3 -v 3 datsetalga2wmixset
nu-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 1251
epsilon = 10.000000
obj = -19959.000000, rho = -19.000000
nSV = 1334, nBSV = 1332
Cross Validation Mean squared error = 133.601
Cross Validation Squared correlation coefficient = 0.000382625

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

k-fold 4

svm-train.exe -s 3 -t 0 -v 4 datsetalga2wmixset
Epsilon-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
nu = 0.944731
obj = -9876.746709, rho = -210.699824
nSV = 2845, nBSV = 2825
Cross Validation Mean squared error = 29.784
Cross Validation Squared correlation coefficient = 0.777541

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 0 -v 4 datsetalga2wmixset
nu-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
epsilon = 1.339630
obj = -8417.769202, rho = -142.385776
nSV = 1506, nBSV = 1490
Cross Validation Mean squared error = 36.5303
Cross Validation Squared correlation coefficient = 0.731974

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 1 -v 4 datsetalga2wmixset
Epsilon-SVR, Kernel (polinomial)

```
optimization finished, #iter = 10000000
nu = 0.989924
obj = -16078041217250.943359, rho = 8550798513.307469
nSV = 2988, nBSV = 2956
Cross Validation Mean squared error = 3.51857e+19
Cross Validation Squared correlation coefficient = 0.0259293

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 1 -v 4 datsetalga2wmixset
nu-SVR, Kernel (polinomial)

```
optimization finished, #iter = 0
epsilon = -0.000000
obj = 0.000000, rho = 0.000000
nSV = 0, nBSV = 0
Cross Validation Mean squared error = 513.5
Cross Validation Squared correlation coefficient = -nan(ind)

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 2 -v 4 datsetalga2wmixset
Epsilon-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 2545
nu = 0.672275
obj = -13202.243692, rho = -21.028642
nSV = 2308, nBSV = 1780
Cross Validation Mean squared error = 22.7278
Cross Validation Squared correlation coefficient = 0.849141

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 2 -v 4 datsetalga2wmixset
nu-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 2043
epsilon = 1.663489
obj = -13134.377736, rho = -21.208745
nSV = 1716, nBSV = 1343
Cross Validation Mean squared error = 24.869
Cross Validation Squared correlation coefficient = 0.854761

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 3 -v 4 datsetalga2wmixset
Epsilon-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 1485
nu = 0.990000
obj = -29599.000000, rho = -19.100000
nSV = 2970, nBSV = 2970
Cross Validation Mean squared error = 133.632
Cross Validation Squared correlation coefficient = 0.000575827

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 3 -v 4 datsetalga2wmixset
nu-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 1105
epsilon = 9.500000
obj = -22485.000000, rho = -19.500000
nSV = 1500, nBSV = 1500
Cross Validation Mean squared error = 133.68
Cross Validation Squared correlation coefficient = 0.000641924

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

k-fold 5

svm-train.exe -s 3 -t 0 -v 5 datsetalga2wmixset
Epsilon-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
nu = 0.937328
obj = -10508.180585, rho = -203.132110
nSV = 3010, nBSV = 2988
Cross Validation Mean squared error = 31.6184
Cross Validation Squared correlation coefficient = 0.763369

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 0 -v 5 datsetalga2wmixset
nu-SVR, Kernel (Linear)

```
optimization finished, #iter = 10000000
epsilon = 1.672240
obj = -9072.901947, rho = -155.143944
nSV = 1638, nBSV = 1562
Cross Validation Mean squared error = 32.0577
Cross Validation Squared correlation coefficient = 0.760863

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 1 -v 5 datsetalga2wmixset
Epsilon-SVR, Kernel (polinomial)

```
optimization finished, #iter = 10000000
nu = 0.986609
obj = -18236808838699.324219, rho = 24460523184.120026
nSV = 3179, nBSV = 3140
Cross Validation Mean squared error = 3.43833e+19
Cross Validation Squared correlation coefficient = 0.0495892

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 1 -v 5 datsetalga2wmixset
nu-SVR, Kernel (polinomial)

```
optimization finished, #iter = 0
epsilon = -0.000000
obj = 0.000000, rho = 0.000000
nSV = 0, nBSV = 0
Cross Validation Mean squared error = 513.5
Cross Validation Squared correlation coefficient = -nan(ind)

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 2 -v 5 datsetalga2wmixset
Epsilon-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 2751
nu = 0.663033
obj = -13671.614854, rho = -21.107625
nSV = 2446, nBSV = 1856
Cross Validation Mean squared error = 21.5392
Cross Validation Squared correlation coefficient = 0.856398

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 2 -v 5 datsetalga2wmixset
nu-SVR, Kernel (radial basis function)

```
optimization finished, #iter = 2128
epsilon = 1.325929
obj = -13652.383726, rho = -21.228806
nSV = 1817, nBSV = 1420
Cross Validation Mean squared error = 22.955
Cross Validation Squared correlation coefficient = 0.860172

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 3 -t 3 -v 5 datsetalga2wmixset

Epsilon-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 1583
nu = 0.989375
obj = -31654.400000, rho = -19.100000
nSV = 3166, nBSV = 3166
Cross Validation Mean squared error = 133.571
Cross Validation Squared correlation coefficient = 0.000317403

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```

svm-train.exe -s 4 -t 3 -v 5 datsetalga2wmixset

nu-SVR, Kernel (sigmoid)

```
optimization finished, #iter = 1186
epsilon = 10.000000
obj = -23961.000000, rho = -19.000000
nSV = 1600, nBSV = 1600
Cross Validation Mean squared error = 133.606
Cross Validation Squared correlation coefficient = 0.000567315

C:\Users\Ariesa PC\Pictures\libsvm-master\libsvm-master\windows>
```