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LAMPIRAN

Lampiran 1 Data Latih (Hasil Normalisasi MATLAB)

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>> xtrain
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xtrain =
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Columns 1 through 14
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-0.7780 -1.1746 -0.5172 -0.5672 -0.5171 -0.4946 -0.2005 -0.6178 -
 0.7356 -1.5772 0.8076 -0.9436 0.6649 -0.5581

-1.1645 -1.1746 0.1549 -0.2424 -0.3197 -0.1439 -0.5938 -0.1253 -
 0.7356 -1.8435 1.0449 -0.8357 0.7984 -0.5581

-0.5848 -1.1746 -0.4620 -0.5672 -0.5039 -0.4534 -0.6313 -0.6178 -
 0.7356 -1.7104 1.0985 -0.8429 0.8668 -0.5581

-0.7780 -1.1746 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178 -
 0.7356 -1.7104 0.8637 -0.8575 0.6644 -0.5581

-0.5848 -1.3190 -0.5172 -0.4113 -0.3197 0.7019 -0.5938 2.8588 -
 0.7356 -1.8435 -1.9412 -0.8813 0.6415 -0.5581

-0.5848 -1.6079 -0.4298 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178 -
 0.7356 -1.7104 -2.2780 -0.7132 0.5189 -0.5581

-0.1983 -1.6079 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178 -
 0.7356 -1.9766 0.5454 -0.8502 0.4574 -0.5581

-0.1983 -1.6079 -0.5172 -0.5672 -0.5302 -0.4946 -0.2005 -0.6178 -
 0.7356 -1.9766 0.5320 -1.0256 0.2830 -0.5581

-0.0051 -1.6079 -0.5172 0.4334 -0.2408 -0.4396 2.1592 3.4744 -
 0.7356 -1.8435 0.5058 -0.8762 0.5134 -0.5581

0.1882 -1.3190 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.5454 -
 0.7356 -1.7104 0.7004 -0.8419 0.4661 -0.5581

0.3814 -0.8857 -0.1075 0.7907 0.5354 -0.0270 2.4401 4.2350 -
 0.7356 -1.7104 -1.9552 -0.5492 0.6644 -0.5581

0.5746 -0.5968 2.4704 1.3040 1.4432 2.2561 1.9345 2.6415 -
 0.7356 -1.7104 -2.1625 0.6030 0.7792 -0.5581

0.7679 -0.5968 -0.0661 -0.5153 -0.5302 -0.4946 -0.6313 -0.6178 -
 0.7356 -0.6454 -0.0664 -4.3431 0.5639 -0.5581

1.1543 -0.1634 -0.3423 -0.3723 -0.4381 -0.3296 -0.3691 -0.0384 -
 0.7356 -0.6454 -1.9686 -0.6737 0.1481 -0.5581

0.7679 -0.3079 -0.5172 -0.5153 -0.5302 -0.4946 -0.5564 -0.6178 -
 0.7356 -0.7786 -1.9795 -0.4111 0.2692 -0.5581

1.3476 -0.4523 -0.0891 -0.5672 -0.2934 0.1105 -0.2567 -0.5164 -
 0.7356 -0.3792 0.6876 -0.1682 0.3165 -0.5581

0.9611 -0.4523 0.3252 0.9921 1.9957 0.0005 0.7733 0.5411
 0.0461 -0.2461 -0.0345 0.5137 -1.7465 -0.5581

2.3137 -0.3079 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178 -
 0.1174 -0.2461 -0.0868 0.1816 -1.7461 -0.5581

2.3137 -0.3079 -0.3101 -0.5023 -0.3987 -0.2746 -0.0320 1.4102 -
 0.2310 -0.2461 -0.1193 -0.1475 -1.7465 -0.5581

2.3137 -0.3079 0.9283 -0.4373 -0.1487 0.4956 -0.4627 -0.4730
 0.1046 -0.2461 -0.0670 -0.3582 -1.7465 -0.5581

2.5070 -0.3079 -0.3101 -0.5023 -0.3987 -0.2746 -0.0320 1.4102
 0.1046 -0.1130 -0.1059 0.0362 -1.7465 -0.5581

2.3137 -0.3079 -0.5172 0.2514 -0.3987 -0.3365 -0.5564 -0.3716
 0.1046 0.0201 -0.0409 0.6414 -1.7465 -0.5581

2.3137 -0.3079 0.0536 1.3170 0.8051 0.2137 0.8482 -0.3571
 0.1046 0.0201 0.1301 0.1670 -1.7465 -0.5581

1.9273 -0.3079 -0.5172 -0.5672 -0.5302 -0.4946 -0.4814 -0.4874
 0.1046 -0.3792 -0.0944 0.6819 -1.7461 -0.5581

1.1543 -0.4523 -0.5172 -0.3853 -0.4908 -0.4946 -0.6313 -0.2267
 0.1046 0.0201 0.0083 0.4099 -1.7465 -0.5581

1.7340 -0.5968 -0.5172 -0.5153 -0.5302 -0.4946 -0.6313 -0.6178
 0.6259 -0.1130 -0.1187 0.4535 -1.7465 -0.5581

1.5408 -0.5968 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.1046 -0.1130 0.0076 0.3850 -1.7470 -0.5581

1.5408 -0.1634 -0.4205 0.5373 1.2458 0.4475 -0.1631 -0.3571
0.1046 0.2864 -0.0262 0.7410 -1.7470 -0.5581

1.3476 0.2699 -0.2824 -0.4633 -0.3855 -0.2333 -0.5002 1.6999
0.1046 0.4195 -0.1072 0.4006 -1.7470 -0.5581

1.1543 0.8477 0.8362 1.0701 1.4169 1.5546 0.8857 1.1205
0.1046 0.5526 -0.0976 0.1245 -1.7465 -0.5581

0.3814 0.9921 0.9006 0.7452 1.4169 1.5546 1.7097 2.7429
0.1046 0.9520 -0.0676 0.2646 -1.7465 -0.5581

0.9611 1.1365 -0.5172 -0.5672 -0.1224 -0.0408 -0.6313 -0.5888
0.1046 0.8188 0.3929 0.8417 -1.7465 -0.5581

1.3476 1.1365 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.5616 0.4195 1.2292 0.9995 -1.7465 -0.5581

1.5408 1.1365 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.5842 0.2864 1.2649 0.9258 -1.7465 -0.5581

0.9611 0.9921 -0.4205 -0.5023 -0.3987 -0.3846 -0.5189 -0.5454
0.3777 0.6857 0.4561 -0.0364 -1.7465 -0.5581

0.1882 0.9921 -0.1397 -0.2294 -0.0829 -0.3846 -0.1818 0.1789
0.2663 0.6857 1.1546 0.8988 -1.7465 -0.5581

0.9611 1.2810 -0.5172 -0.3983 -0.1224 0.2481 -0.1443 -0.4730
0.6983 0.4195 0.8401 0.5366 -1.7461 -0.5581

0.5746 1.5699 -0.4620 -0.5542 -0.5302 -0.4946 -0.5938 -0.6178
0.1046 0.4195 0.8873 0.7058 -1.7461 -0.5581

-0.0051 1.5699 0.8730 0.0955 0.1539 0.3443 1.9157 0.1644
0.5785 0.6857 1.0404 0.8303 -1.7461 -0.5581

-0.3916 1.4254 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.6604 0.5526 0.1020 -0.7848 -1.7461 -0.5581

-0.7780 1.2810 -0.5172 -0.5672 -0.2803 -0.2058 -0.2754 -0.6178
0.3555 0.6857 1.2560 1.0566 -1.7461 -0.5581

-0.3916 1.1365 -0.5172 -0.5672 -0.5039 -0.4396 -0.6313 -0.6178
0.6787 0.5526 0.6940 0.5251 -1.7465 -0.5581

-0.3916 1.1365 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.1046 0.6857 1.1686 0.9258 -1.7461 -0.5581

-0.7780 1.1365 4.1967 0.2774 0.0158 -0.0201 0.5392 2.4097
0.7095 0.6857 1.1348 0.9040 -1.7465 -0.5581

-0.1983 0.2699 0.4219 -0.1124 -0.0566 0.0830 0.0242 0.0051
0.3721 0.6857 0.4127 -0.2648 -1.7461 -0.5581

0.3814 0.4143 -0.0385 0.6673 0.2855 -0.0958 0.3239 -0.2195
0.1046 0.9520 0.7878 0.4452 -1.7465 -0.5581

0.1882 0.4143 -0.5172 -0.4373 -0.3724 -0.2746 -0.4440 3.6121 -
0.3476 1.0851 1.1361 1.2050 -1.7181 -0.5581

-0.0051 0.5588 0.9283 1.7068 3.3377 1.6509 0.5111 -0.2557 -
0.7356 1.0851 -0.1046 0.4774 0.5694 -0.5581

0.1882 0.5588 -0.5172 3.7990 1.7787 1.1833 3.5638 -0.2702 -
0.7356 0.8188 -1.9833 0.6206 0.7723 -0.5581

0.3814 0.7032 -0.4067 2.3566 0.9433 0.9632 0.1553 0.2658 -
0.3648 1.0851 -2.0311 -0.5388 0.3161 0.1318

0.3814 0.8477 -0.5172 4.6566 0.9433 0.9632 0.1553 -0.6178
0.9074 0.9520 0.0899 0.6414 0.6557 0.4173

0.3814 0.8477 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.9074 0.9520 -1.9227 -4.4500 0.6084 -0.5581

-0.1983 0.8477 -0.5172 -0.5672 -0.5302 -0.4946 -0.6313 -0.6178
0.9074 0.8188 -1.9533 0.3373 -1.3077 -0.5581

-0.5848 0.5588 -0.1766 -0.5672 -0.5302 -0.4946 -0.6313 -0.5744
0.9074 0.9520 -1.9482 -0.1008 0.4143 -0.5581

-0.5848 0.8477 -0.2963 -0.5023 -0.4118 -0.3708 -0.6313 -0.1688
0.9074 1.0851 -1.9284 -0.8647 0.1843 0.4140

-0.9713 0.8477 -0.0385 -0.4503 -0.3921 -0.3090 -0.3878 -0.4874
0.9074 0.9520 0.0012 0.0414 0.4588 -0.1415

-0.3916 0.8477 -0.5172 -0.5672 -0.5302 -0.4946 0.2489 -0.5961
0.9074 0.9520 0.5320 -5.0043 0.5364 -0.2079

-0.3916 0.9921 0.2746 0.7452 1.0814 0.3718 0.5673 0.5411
0.6705 1.2182 0.1212 -0.8897 0.4730 -0.0013

Columns 15 through 23

0.2997 -0.0674 -0.6959 3.3644 -2.6185 -1.2489 0.2516 -0.8357 -
1.1462

0.2997 0.3513 0.2158 3.3644 -0.4347 0.5991 -1.9724 0.1057 -
0.5140


```
-1.4843  0.6199  0.6290 -0.4713 -0.9883  0.5200  0.2794 -0.8021 -
0.5286
```

```
 0.0767  0.7464  0.9350 -0.4713 -0.9575 -0.5114  1.2597  0.7709 -
0.1987
```

```
-0.1144  0.3483  0.6237  0.8613 -1.1113  0.5764  0.9270  0.4241 -
0.3219
```

```
-2.0258  0.0044 -0.5310  0.1115 -1.6650  0.4293 -0.8748  0.2571 -
1.4917
```

```
-1.4843  0.4322  0.4889 -0.1229 -1.6035 -0.4355  1.3733  0.2673 -
0.5022
```

```
-2.0896  0.3951  0.3053  0.2807 -0.8038 -0.2078 -0.9006 -0.1607 -
1.4917
```

```
>> ytrain
```

```
ytrain =
```

```
-2.1758  0.6081  0.6470  0.4591 -0.3112 -0.9308 -0.5124
-1.0100  0.4917  0.6044  0.6236  0.0166  0.4503 -1.7703
-2.2535  0.1425  0.4764  0.4034 -0.1473  0.2109 -0.3527
-2.1758  0.3753  0.5617  0.5096  0.3444 -1.1279 -0.3243
-0.3883  0.2589  0.3910  0.3536  0.3444 -0.9308 -1.4484
-0.2329  0.3753  0.5617 -0.3629 -2.9339 -0.6121 -1.0300
-0.3883  0.1425  0.4764 -0.1582 -2.2828 -0.6121 -1.5451
-2.2535  0.3753  0.5617 -0.2727 -1.8794  0.3440  0.2222
-2.2535  0.1425  0.4764  0.6287  0.5083  0.4503  0.5773
-1.9426  0.6081  0.6470  0.5386  0.3444  0.4503  0.7588
-0.0775  0.1425  0.4764  0.5386  0.3444  0.4488 -1.1190
 0.0779  0.4917  0.6470  0.6138  0.1805  0.1315 -1.1448
 0.1557  0.2460  0.5143  0.6287  0.3444  0.1315 -0.8901
 0.3111  0.4917 -1.9454  0.6043  0.3444  0.1315  1.3849
```

-2.0980	0.4917	0.5617	0.7640	0.8362	0.2311	0.4841
0.0002	0.1425	0.4764	0.5014	-0.1473	0.4503	-0.8192
0.0779	0.6081	0.6470	0.4935	0.0166	0.5903	-0.9748
-0.1552	-1.2180	0.5617	-0.3629	0.6099	-0.9308	-1.5785
1.0882	-0.6608	0.6044	-2.0757	0.6723	0.5669	-0.1356
0.7115	-0.9051	0.3974	-2.0757	0.3444	0.1315	1.3849
1.0105	-0.5559	0.5617	-2.0757	0.6723	0.2955	1.5228
0.6997	-1.0215	0.3910	-2.0757	0.0166	0.0440	1.3167
0.7774	-0.7887	0.4764	-2.0757	0.4908	0.6590	1.8289
1.0882	-0.5559	0.6470	-2.0757	0.8362	-0.1872	1.1166
1.0882	-0.7887	0.6470	-2.0757	-0.3112	-0.6286	0.7452
0.1557	0.1425	0.3910	-2.0757	0.5083	0.1315	1.3849
0.1557	-0.0903	0.3910	-2.0757	0.0166	-0.1872	1.1166
0.0002	-0.2067	0.3483	-2.0757	0.5083	0.1315	1.3849
0.2334	-0.2067	0.3483	-2.0757	0.5083	0.3132	1.5378
0.3888	0.1425	0.4764	-2.0757	0.8362	0.3068	1.5324
0.3888	0.1425	0.4764	-2.0757	-0.3112	0.1835	1.4287
0.5442	0.4917	0.6470	-2.0757	-0.3112	0.1315	1.3849
0.0779	0.1425	0.4764	-2.0757	0.5083	0.3590	1.5761
0.5442	0.3753	0.5617	-2.0757	0.8362	0.1178	1.3737
0.5442	-0.0903	0.3910	-2.0757	0.0166	-0.9308	0.4905
0.5442	0.1425	0.4764	-2.0757	0.5083	0.5565	1.7427
1.0105	0.1425	0.4764	-2.0757	0.5083	1.0254	2.1375
0.4665	0.3753	0.5617	-2.0757	0.5083	-0.3997	0.9377
0.4665	0.3753	0.5617	-2.0757	0.5083	0.1315	1.3849
0.4665	0.3753	0.5617	-2.0757	0.0827	0.3284	1.5503
0.4665	0.1425	0.4764	-2.0757	1.3279	-0.9813	0.4482
-0.0775	-0.0903	0.3910	-2.0757	1.3279	0.3440	1.5638
0.4665	-0.0903	0.3910	-2.0757	1.3279	0.4503	1.6533

0.0979	0.4039	0.6470	-2.0746	1.6558	-3.5868	2.1005
0.6219	0.7245	0.6897	-0.2727	0.8362	-3.5868	1.6533
0.2334	0.4917	0.6044	0.5386	-0.4257	-3.5868	1.6533
0.3888	0.3753	0.5617	0.5874	0.3444	-3.5868	1.6533
0.4665	0.7245	0.6897	0.7640	-2.9339	-3.5868	1.5638
-0.2329	-0.0903	0.3910	0.8090	1.3279	-0.9034	0.5139
0.4665	0.7245	0.6897	0.5031	0.1805	0.9815	-0.8892
0.0779	0.4917	0.6044	0.5556	0.6563	0.3440	-0.4934
0.0779	0.4917	0.6044	-2.0757	0.0166	-0.4302	0.9117
0.0779	0.6081	0.6470	0.4935	0.0166	0.4503	-0.4934
0.2334	0.1425	0.4764	0.0440	1.3279	-1.1602	0.2974
0.4665	0.6081	0.6470	0.5628	-0.1473	0.6171	-0.4560
0.7774	0.1425	0.4764	0.5995	0.5083	0.5565	-1.6624
0.2334	0.1425	0.4764	0.4263	0.0166	0.9815	-0.2622
0.2334	0.6081	0.6470	0.4775	-0.1473	0.4503	-0.3145
0.3111	0.4917	0.6044	0.6036	0.6723	0.4937	-0.1356
-0.2329	0.1425	0.4764	0.5228	-2.9339	-1.4620	-1.5765
0.3111	0.6081	0.6470	0.4123	-0.3112	0.9159	-0.1660
0.2334	0.7245	0.6897	0.4034	-0.1473	1.1939	-0.1356
-3.5552	0.7245	0.6897	0.7189	0.8362	0.4503	0.5441
-0.0775	0.6081	0.6470	-0.2727	0.0166	-0.3997	-0.5669
0.2334	0.7245	0.6897	0.5386	0.3444	0.1315	-0.1490
0.0779	0.1425	0.4764	-0.2413	0.3444	0.6627	-0.8220
0.1557	0.3753	0.4764	0.5571	0.0166	0.4905	-0.5197
0.1557	0.4917	-1.9454	0.4935	-2.9339	-1.1433	0.3116
0.0779	0.7245	-1.9454	0.3132	-2.9339	-0.9308	0.4905
0.3111	0.7245	-1.9454	-0.4008	-0.4752	-1.6777	-0.1382
-0.1552	0.6081	0.6470	0.4244	-0.3112	0.5011	-1.0845
0.3111	0.3753	0.5617	0.4639	0.3444	0.8088	0.0109

0.0779	0.6081	-0.9319	-0.2727	0.3444	0.1315	-0.5246
-1.7095	0.4917	0.6044	0.4034	-0.1473	0.9545	1.1657
0.2334	-0.0903	0.3910	0.4935	0.0166	1.0877	-0.7567
-1.7872	0.4917	0.6044	0.3132	-0.4752	0.8070	0.6234
-1.9426	0.3753	0.5617	0.6168	0.5083	-0.0809	0.9377
0.0779	0.4917	0.6044	0.5743	0.3444	0.5391	-0.4494
0.2334	0.3753	0.5617	0.4242	-0.3112	0.9815	-0.1560
0.2334	0.1425	0.4764	0.4935	0.0166	0.6705	0.0433
0.6997	-1.6035	0.4764	0.5837	0.3444	0.8971	-1.8027
0.8551	-1.6035	0.4764	0.4935	0.0166	0.8752	-1.8808
1.1659	-4.5135	0.6470	0.5386	0.1805	0.9634	-0.3446
1.0105	-1.6035	0.5617	0.5194	0.3444	0.9366	-1.7792
-0.5438	0.6081	0.6470	-0.3629	0.5083	0.8752	-1.9245
-0.5438	0.6081	0.6470	0.5386	0.3444	0.8752	-1.8037
0.1557	0.6081	0.6470	0.4034	-0.3112	1.0877	-0.0605
-1.8649	0.4917	0.6044	0.4935	0.0166	-0.9308	0.7848
0.0779	0.3753	0.5617	0.4291	0.0166	0.7318	-0.1535
0.1557	-0.1659	0.3483	0.6287	0.3444	0.5831	-0.1401
0.6997	-0.7887	0.4764	0.7018	-2.9339	-0.7853	-1.1606
-1.4763	-1.0215	0.4764	0.4660	0.3444	-0.3997	-1.1892
0.6997	-0.7887	0.4764	0.4935	0.0166	0.4503	-0.4934
0.8551	-3.6987	0.5617	0.7189	0.5083	-0.3997	0.4878
1.0105	-0.5559	0.5617	0.6287	0.5083	1.0877	0.0013
1.1659	-0.4395	0.6897	0.7189	0.8362	1.0388	-0.0721
1.0882	-0.5559	0.6897	0.4557	0.3444	1.0983	-0.2733
1.0882	-1.2543	0.6470	0.4791	0.0166	-0.1872	-1.2089
-1.6318	-0.7887	0.6470	0.4034	-0.3112	-0.9393	-0.6723
-1.6318	-0.7887	0.6470	0.5386	-2.9339	-1.0966	-1.0873
0.6997	-1.0215	0.4764	0.5386	-3.0978	0.6627	-1.2089

0.8551	-1.0215	0.4764	0.5057	0.0166	0.9815	-0.7385
1.1659	-0.7887	0.6470	0.5724	0.3444	0.9815	-0.5104
0.8551	-0.7887	0.4764	0.5453	0.0166	0.9963	-0.6508
-1.4763	-0.7887	0.6470	0.5079	-0.1473	0.4503	-1.2805
-2.5643	0.6081	0.6470	0.4034	-2.9339	-0.3997	-0.4934
-0.0775	-3.4659	0.6470	0.4034	-0.3112	0.1315	-1.0300
-2.0980	0.0261	0.4337	0.5300	0.0166	-1.1943	-0.3690
-2.0203	-0.2067	0.3483	0.4034	0.0166	0.7350	0.2794
0.3888	-0.0903	0.3910	0.4633	0.0166	-3.5868	1.3849
0.0779	0.3753	-1.9454	-0.0532	-0.0654	0.1315	-0.8512
0.1557	0.3753	-1.9454	0.4363	-0.1473	0.4503	-0.4934
-0.1552	0.6081	-1.9454	0.4439	0.0166	0.4503	-1.2089
0.0779	0.1425	-1.9454	0.3583	-0.4752	-0.9308	-0.7644
0.0779	-0.0903	-1.9454	0.0951	-1.2521	0.6627	-0.5837
0.0002	0.6081	-1.9454	0.4101	-0.3112	0.5491	-1.0130
0.3888	0.6081	-1.9454	0.4043	-0.3112	0.6011	-0.4943
-0.0775	0.6081	-1.9454	0.4034	-0.3112	0.6256	-1.0560
0.1557	0.6081	-1.9454	0.4484	-0.4752	0.7902	-0.8512
-0.0775	0.6081	-1.9454	0.5512	0.0166	0.6627	-0.5605
0.3111	0.1425	-1.9454	0.4935	0.0166	0.9018	-0.3145
-0.0775	0.6081	-1.9454	0.4092	-1.1931	1.0877	-1.1848
0.2334	0.6081	-1.9454	0.5359	0.0166	1.0877	-0.2894
0.3111	0.6081	-1.9454	-0.3629	-3.2618	0.1315	-0.1356
0.3111	0.3753	-1.9454	0.4484	-0.3112	1.0325	-0.0712
0.0779	0.4917	-1.9454	0.4142	-0.3112	0.9167	-1.5953
1.0105	0.4917	-1.9454	0.5025	0.3444	-0.9308	0.4905
1.0882	0.6081	-1.9454	0.5837	0.3444	-0.7545	0.4905
0.6997	0.1425	-1.9454	0.7712	1.1640	-0.0809	0.4905
1.1659	0.7245	-1.9454	0.7640	0.8362	-0.3997	0.4905

1.0882	0.7245	-0.8039	0.7315	1.1640	-0.9308	1.3849
1.0105	0.6081	-0.8039	0.5553	0.0166	-0.6121	0.4011
1.0105	0.6081	-0.8039	0.5435	0.1805	0.1315	0.2222
0.5442	-0.2067	-0.8039	0.6418	0.5083	-1.2496	0.1524
1.0789	0.6081	-0.8039	0.6287	0.5083	-0.4889	0.4011
0.8551	0.3753	-0.8039	0.7640	1.1640	0.1315	0.0433
1.1659	0.7245	-1.9454	0.4935	0.0166	-0.9308	0.0433
1.1659	0.7245	-1.9454	0.5386	0.0166	-0.1872	0.0433
0.6997	0.0261	-1.9454	0.7189	0.8362	0.1315	0.0433
1.0105	0.6081	-1.9454	0.6287	0.6723	0.1315	0.0433
0.8551	0.4917	-1.9454	0.4214	0.0166	-1.7808	-0.1356
0.0779	0.6081	0.6044	0.5183	-0.0309	0.6627	-0.4504
-1.6318	0.4917	0.6044	0.4034	-0.3112	0.6627	1.1166
-1.8649	0.1425	0.4764	0.6436	0.8362	-0.6004	0.6569
0.0779	0.5767	0.6470	-0.1303	-2.9339	-0.1872	-0.9960
-2.2535	-3.6987	0.6470	0.6765	0.8362	-0.3030	-0.4603
-2.3312	0.3753	-0.8892	0.6287	0.5083	0.1315	-0.6723
-1.6318	-0.0903	0.3910	0.8009	1.3279	-0.3997	1.1658
-1.7095	-0.0903	0.3910	0.7631	1.1640	0.6627	0.7588
0.2334	0.6081	0.6470	0.6287	0.5083	0.6627	-0.3986
1.0105	-6.4632	0.6470	0.7486	1.1640	-0.1224	1.1551
0.6997	-0.7887	0.6470	0.7189	0.8362	0.1315	-0.6723

Lampiran 2 Data Uji (Hasil Normalisasi MATLAB)

```
>> xtest
```

```
xtest =
```

```
Columns 1 through 14
```

```
392.2100 319.3300    0  3.4000    0    0  2.4000  7.0000  81.2800
319.1700  53.5700  9.1500  53.0300  31.6700
```

```
392.2500 319.3300  9.2000  13.0000  9.4000  3.2000  22.0000  38.0000
95.7200 319.1600  54.7100  6.2700  53.5000  38.1600
```

```
392.2400 319.3200    0  23.0000  20.2000  18.2000  11.2000  22.6000
106.4200 319.1500  43.7800  9.0200  44.8500  49.2400
```

```
392.2400 319.3000  9.3000  5.0000  4.6000  4.0000  6.2000  3.8000
133.0000 319.1300  44.6600  9.7600  44.7100  70.0000
```

```
392.2400 319.3100  4.5000  1.8000  1.8000  2.4000  6.4000  0.3000
101.2000 319.1200  48.9500  9.5800  47.5800  38.5500
```

```
392.2500 319.2800  0.9000    0    0    0  1.0000    0  69.5500
319.1200  55.3400  39.3200  51.4200  37.7400
```

```
392.2400 319.2700    0    0    0    0    0    0  74.3900  319.1000
57.0500  39.8800  56.3600  38.4700
```

```
392.2300 319.2500    0    0    0    0    0    0  88.0000  319.0900
47.9700  41.6000  50.2300  29.9700
```

```
392.2100 319.2500    0    0    0    0    0    0  73.4100  319.0800
40.2600  54.7000  53.7500  24.7900
```

```
392.2000 319.2300    0    0    0    0    0    0  61.2400  319.0600
45.9400  55.5100  0.2600    0
```

```
392.1700 319.2100    0    0    0    0    0    0  61.9700  319.0600
38.9900  50.4200  51.4200    0
```

```
392.1900 319.2000    0    0  10.0000  4.6000  11.2000  18.4000    0
319.0500  39.1000  55.6800  52.3700    0
```

```
392.2000 319.1900  2.3000  10.8000    0    0    0    0    0  319.0600
37.3300  53.9500  54.4400    0
```

```
392.1700 319.1800  4.5000  3.8000  4.2000  3.0000  3.8000  4.4000    0
319.0500  38.2400  54.9400  56.3400    0
```

```
392.2100 319.1700    0    0    0    0    0    0    0  319.0500
38.6800  45.9900  44.9400    0
```

```
392.2000 319.1700    0    0    0  1.2000    0    0    0  319.0300
39.8200  44.9000  44.9500    0
```

392.2000	319.1500	0	0	0	0	0	0	0	319.0200
39.6000	53.6400	47.8400	0						

Columns 15 through 23

164.7500	50.2200	56.8200	29.7600	77.2400	56.3200	45.1500	253.4800
43.1400							

164.8400	61.0800	60.0700	36.8500	77.3300	55.0400	47.7600	267.1600
44.8200							

164.9600	55.1600	54.1500	43.9900	77.2400	35.7900	48.7400	230.4500
44.7200							

165.1600	44.2800	40.6300	7.0000	77.2900	37.7500	43.3600	222.5700
45.0700							

164.9300	55.2700	54.4000	44.3100	77.2700	43.3000	42.6200	238.0100
42.6700							

165.0100	59.8700	59.1100	39.0300	77.2700	55.8500	17.7500	266.2800
43.6100							

164.9500	54.0500	50.9500	44.9700	77.4300	55.2000	19.5900	268.5800
45.4100							

164.6500	58.7300	55.6700	41.2200	77.4300	44.2700	19.7500	248.5200
47.5800							

164.7800	51.3700	43.8500	38.1900	77.3500	45.6400	23.0600	264.7400
49.2300							

165.3200	57.1800	55.7000	0	77.3300	53.1300	51.3200	255.6300
46.3000							

165.3700	55.7300	59.6200	0	77.7700	55.7000	22.2200	271.7800
47.7300							

165.4600	48.5800	50.1700	0	77.5500	55.3800	19.6900	264.8100
45.2200							

165.5300	54.5600	55.2400	0	77.8000	58.8700	24.7000	262.2200
45.6600							

165.5100	57.7000	54.2900	0	77.5700	56.3000	20.8900	267.7400
47.3400							

165.7400	7.0500	46.1000	0	77.1600	46.5700	20.7700	206.6900
47.5000							

165.6200	51.6100	44.5100	0	77.3300	57.0100	18.0900	239.3200
45.4200							

```
165.5000 56.4200 48.1000    0 77.4400 59.0900 21.5000 267.5300
45.3100
```

```
>> ytest
```

```
ytest =
```

```
60.0000 26.0000 62.0000 58.0000 61.0000 62.0000 46.0000
62.0000 21.0000 63.0000 62.8800 67.0000 62.1600 45.2700
57.0000 26.0000 59.0000 60.3000 65.0000 45.0000 48.0000
60.0000 24.0000 62.0000 60.0000 63.0000 53.0000 42.0000
58.0000 24.0000 60.0000 60.0000 63.7500 50.0000 41.5200
62.0000 52.0000 62.0000 63.0000 65.0000 64.6900 33.8800
63.0000 53.0000 64.0000 59.1900 60.0000 60.9300 34.0000
58.0000 54.0000 62.0000 63.0000 66.0000 50.0000 35.0500
52.0000 64.0000 64.0000 61.5300 63.0000 49.5700 35.7700
45.0000 64.0000 3.2500 63.0000 67.0000 60.0000 60.0000
50.0000 62.0000 63.0000 61.6800 67.0000 62.1100 34.2700
50.0000 65.0000 65.0000 56.0000 60.0000 63.0000 32.7900
50.0000 65.0000 65.0000 58.0000 62.0000 63.0000 36.0000
48.0000 64.0000 64.0000 57.6300 60.0000 63.0000 30.3400
50.0000 62.0000 62.0000 40.0000 63.0000 55.0000 34.0000
50.0000 60.0000 60.0000 60.0000 63.0000 62.0000 32.2500
52.0000 63.0000 63.0000 58.0000 61.0000 63.0000 36.0000
```

Lampiran 3 Hasil Random Bobot Input

>> Inputweights

Inputweights =

Columns 1 through 14

```
-0.0156  0.2659 -0.5969 -0.5742 -0.4280 -0.8614  0.5809  0.2794  -  
0.6163  0.0015 -0.3796  0.5851 -0.1425  0.3858  
  
 0.9325 -0.8276 -0.3654  0.1631  0.2868  0.4803 -0.1014  0.5488  -  
0.3027 -0.5913 -0.3860  0.3975  0.8170 -0.6306  
  
-0.7935 -0.4309 -0.5654  0.2089  0.3670 -0.6475  0.3884 -0.3718  -  
0.2311 -0.8168  0.4525 -0.2421 -0.7643  0.9246  
  
-0.7366  0.4976 -0.2268  0.6198 -0.7538  0.0686 -0.6823  0.5788  0.6177  
-0.3137  0.4045 -0.3320  0.5942  0.4008  
  
-0.0429  0.6490 -0.1928  0.2074 -0.8881 -0.0240 -0.0832  0.2465  0.3916  
-0.4404  0.6775  0.1781 -0.0798  0.3839  
  
-0.1600  0.1966  0.7722 -0.8236  0.8040 -0.9118 -0.6465 -0.4532  -  
0.4570 -0.9169 -0.8167  0.7958 -0.8321  0.6432  
  
 0.7912  0.0097 -0.1502  0.0553 -0.7502 -0.9499  0.2551 -0.0994  -  
0.2726  0.0387  0.8746 -0.5043  0.7864 -0.6980  
  
 0.9197  0.4392  0.9755 -0.0535  0.9606  0.3825  0.9440 -0.8308  -  
0.7152 -0.6645 -0.5694 -0.7334 -0.1601 -0.9256
```

-0.0418 -0.5227 -0.6664 0.6871 -0.3398 -0.0987 -0.6102 -0.6995 0.8483
0.9697 0.6819 -0.5265 -0.7395 0.3651

-0.4114 -0.5734 0.9114 0.6622 0.8811 0.7150 -0.2700 -0.3739 0.4897
-0.9953 -0.9266 -0.6333 -0.3322 0.9561

0.7515 -0.6603 -0.7536 -0.2038 -0.7396 0.4883 0.6630 -0.4776 -
0.2325 -0.3165 -0.3436 0.9518 -0.4843 -0.1353

-0.0514 0.2288 -0.3760 -0.1154 -0.7370 -0.2456 -0.6738 -0.5189 -
0.2754 -0.7516 0.1121 -0.9835 -0.2542 0.2357

-0.2534 -0.8139 0.9109 0.1216 -0.5496 0.6038 0.4266 -0.1713 0.9152
0.4930 -0.3223 0.0046 -0.4055 0.8079

-0.8159 0.6337 -0.5087 -0.9974 0.2234 -0.2119 -0.6010 -0.4533 -
0.2977 -0.1236 0.7537 0.7573 -0.3516 -0.3051

-0.7142 0.9015 -0.4700 -0.6965 0.0862 -0.2502 0.7155 0.4634 -
0.6676 -0.7075 -0.5191 -0.6798 0.9033 0.3408

0.7677 -0.0698 -0.1457 0.4784 0.1968 0.7759 -0.0787 0.3209 -
0.2130 0.5648 -0.2851 -0.3043 0.4351 0.3202

-0.1449 0.1743 -0.4522 0.8087 -0.0584 0.2219 -0.9920 0.7997 -
0.2140 0.7409 0.3958 0.5822 -0.8711 0.8860

-0.4196 -0.2247 -0.4963 -0.8692 -0.3315 0.1706 0.2308 0.9560 -
0.7531 0.3180 0.0375 0.4408 0.0946 0.6043

0.9460 -0.6882 -0.6786 -0.2809 0.6133 -0.3035 -0.2215 0.7407 -
0.3685 -0.2231 0.6565 0.6447 0.7641 0.6232

0.9407 -0.7096 0.3106 -0.9974 0.4210 -0.8325 -0.3967 -0.2990 0.7893
-0.2222 -0.0453 0.6272 0.2736 0.3803

-0.1747 0.5113 -0.2228 0.2633 0.5949 -0.9710 0.8255 -0.1460 -
0.1455 0.0564 0.6968 0.8039 -0.5237 -0.8336

0.4248 0.5010 0.4148 -0.1403 0.7830 -0.3691 -0.8698 -0.1187 -
0.8357 -0.1449 0.3660 -0.8709 -0.8247 0.1008

0.8179 0.3100 -0.0173 0.7499 -0.1012 -0.1124 0.8385 -0.4809 0.4246
-0.6379 -0.4905 -0.2350 0.1966 0.0741

0.8851 -0.3362 -0.2769 0.2131 0.0263 0.9685 0.0456 0.6107 -
0.5112 0.6340 -0.8138 0.2338 0.0731 0.6934

0.5469 -0.5748 -0.7413 0.5051 0.2668 -0.9472 0.0022 0.0149 0.6424
-0.3731 -0.5534 -0.9201 0.6616 -0.8803

-0.7357 0.1256 0.0001 -0.4322 0.4121 -0.1145 -0.3007 -0.0441 -
0.0421 0.6311 0.3501 -0.3601 0.8996 -0.4577

-0.1366 0.4770 0.9078 -0.0621 -0.8453 -0.5905 0.4157 -0.0163 -
0.5927 0.8196 0.5677 -0.3030 -0.9240 0.9878

-0.0467 0.7700 -0.9067 0.9433 0.3566 -0.0747 -0.4828 -0.4467 -
0.6297 0.0660 -0.4264 0.2846 -0.5003 -0.0074

0.9226 -0.4982 -0.6635 -0.6159 -0.8302 0.1049 -0.2158 0.3173 -
0.8312 -0.3690 -0.1011 -0.3305 -0.1231 0.6130

0.4384 -0.7759 -0.9906 0.5720 0.8404 -0.7882 -0.2759 -0.3232 0.7690
0.0547 -0.5581 0.9668 -0.1417 0.1355

0.9157 0.5368 0.2623 0.5001 -0.2849 0.9782 0.3822 0.1496 0.7097
0.3814 -0.9411 0.3736 0.3663 -0.2450

0.5979 -0.9730 -0.3564 -0.8396 -0.0625 -0.3878 -0.8645 0.4045 0.2392
0.1492 -0.9620 0.0261 0.3042 0.3656

-0.2022 0.0863 -0.4565 -0.2669 -0.6541 0.2361 -0.4851 0.1504 0.5415
0.3633 -0.2558 0.8286 0.7595 0.6582

-0.3939 -0.8514 0.8458 0.1173 -0.7848 -0.9022 -0.0535 -0.4138 -
0.3641 0.9612 -0.1279 -0.4498 0.8580 0.2727

0.5082 -0.5125 -0.5784 0.2116 0.4448 -0.2477 0.7820 0.7881 0.2087
0.3176 -0.8877 0.6854 0.2391 -0.7863

0.7215 0.2003 -0.9102 -0.4846 -0.7449 0.7913 0.7622 -0.6194 0.8604
0.7404 -0.9335 -0.4862 0.2526 0.9896

0.1634 0.1172 -0.8499 -0.4100 0.3223 0.4221 -0.6348 0.2633 -
0.5062 -0.6742 -0.5763 -0.3919 0.1576 -0.9474

0.6011 0.1941 0.3142 -0.2926 0.1336 0.8230 0.5218 -0.8620 -
0.6481 -0.7940 -0.9186 -0.7081 0.0741 -0.0163

0.8544 -0.1739 0.8578 0.6695 -0.5977 -0.1738 -0.3458 0.1034 0.0765
0.0504 0.2729 -0.8012 -0.2082 0.3437

-0.4029 -0.7344 -0.8057 0.8313 -0.2380 -0.6954 0.4589 0.5303 -
0.5687 -0.4120 -0.7985 -0.3395 0.2004 -0.5689

-0.5728 0.6685 -0.7981 0.1355 -0.9797 0.3193 -0.9775 -0.4452 -
0.9865 -0.1889 -0.7346 0.3772 -0.9729 -0.2701

0.1740 -0.1242 0.7271 0.1184 -0.1765 -0.8518 -0.8878 -0.2578 0.7113
-0.7496 -0.5526 0.3516 0.0469 -0.3850

-0.9879 0.0631 -0.5189 -0.8631 0.8958 -0.5415 0.7710 0.3956 -
0.5668 0.9948 0.5083 0.8895 -0.0204 -0.2792

-0.6544 0.2076 0.7766 0.3967 0.1602 -0.7006 -0.9813 0.3993 0.1813
-0.1941 0.6512 -0.5267 -0.7819 -0.3020

0.5518 0.2367 -0.2135 -0.6947 -0.2271 -0.6704 -0.6670 0.2403 -
0.6982 -0.2150 -0.2238 -0.3791 -0.8889 -0.1543

-0.9785 -0.1434 0.8875 -0.3781 -0.8929 0.0918 -0.5397 0.0003 -
0.3302 -0.4960 0.5589 -0.5944 0.6463 -0.8191

-0.2429 0.2855 0.7318 0.7306 -0.7991 -0.5173 0.8015 -0.6883 -
0.0681 0.3154 0.2087 0.7606 -0.2511 0.3979

0.8202 -0.8437 -0.5773 -0.8231 -0.8096 0.3229 -0.6035 0.3131 0.5461
-0.2980 -0.6158 0.8195 0.5631 0.7233

0.3317 -0.7110 -0.1491 0.4395 0.5028 -0.2287 0.4765 0.5209 0.8423
-0.6004 -0.0774 0.4218 -0.6634 0.6046

0.6703 0.5202 -0.2599 -0.3261 -0.6509 0.4022 -0.3702 0.8880 -
0.2573 -0.6160 -0.5922 0.2743 0.2119 -0.8305

0.8284 0.4690 0.1477 -0.3583 -0.0649 0.1552 0.4645 -0.1136 -
0.6404 -0.0111 -0.2211 0.3875 0.3857 0.6668

0.9541 0.1294 -0.6207 0.5909 -0.6870 0.5875 0.9895 -0.5632 0.5494
0.0639 -0.7877 0.4128 -0.4430 -0.4828

0.8223 0.5383 0.1928 -0.7406 -0.6948 -0.8852 0.8106 -0.8188 -
0.6269 -0.7769 0.3401 -0.3591 0.2012 0.8365

-0.0397 0.9485 0.2028 -0.9647 0.1101 -0.0825 0.9148 0.2601 -
0.2572 0.1540 0.8819 -0.5579 0.3279 0.6515

0.0876 0.2867 -0.3478 0.2878 -0.8680 -0.5114 -0.7140 -0.0328 -
0.5077 -0.6186 0.4547 -0.1893 -0.3529 0.0981

-0.1272 -0.0181 -0.8994 -0.3416 0.5321 0.7107 -0.7961 0.4060 -
0.1301 0.0540 0.1857 -0.1821 0.7794 0.5387

0.7021 -0.8084 -0.5074 0.5874 -0.2488 -0.8189 -0.3609 0.7184 -
0.9781 0.0226 0.1892 0.9560 0.9847 0.5396

0.0856 0.3623 -0.2178 -0.5530 -0.2379 -0.7650 -0.5831 -0.9661 0.9426
-0.0346 -0.7918 0.0738 -0.1006 0.0339

-0.1651 0.2980 -0.7992 -0.7539 -0.9752 -0.7495 -0.9819 -0.7255 -
0.0534 0.8890 0.2318 0.6883 -0.4433 0.5836

-0.1413 -0.8306 -0.2101 0.5582 -0.2929 0.3642 -0.5426 0.4251 0.0453
0.1245 0.5858 -0.7892 -0.7832 -0.2049

0.1221 -0.8277 -0.0715 0.3872 -0.2500 -0.2554 0.7251 -0.4238 -
0.9252 0.0873 -0.4853 0.8229 -0.0977 -0.4182

-0.8374 0.1564 0.9330 0.4476 -0.1561 0.1048 -0.2659 0.4474 0.9424
0.8139 0.4033 0.8464 -0.5284 0.3520

-0.8503 0.9810 0.4225 -0.7914 0.7970 -0.2627 0.7843 0.4504 0.5767
-0.5433 -0.8821 -0.5934 0.2076 -0.9132

0.9327 -0.5838 0.5873 -0.5039 -0.3221 0.9390 0.2145 -0.0383 0.5807
0.8179 0.0033 0.6143 -0.2495 0.3611

0.9146 -0.5573 -0.0638 0.6471 -0.5562 -0.3790 -0.8302 0.9955 -
0.4744 -0.0440 -0.9851 -0.0897 -0.0657 -0.6529

0.3943 0.5215 -0.0807 0.0021 0.0017 0.7288 -0.9162 0.1765 0.5502
-0.5180 -0.1079 0.7560 0.7839 -0.2634

-0.7044 0.0711 0.0477 0.5564 0.5280 0.1574 -0.5863 0.2877 -
0.0350 0.8771 0.1598 -0.9761 -0.9503 -0.5831

0.3538 0.4097 0.1918 0.4716 0.3169 0.6862 0.8266 -0.4493 0.4343
0.7471 0.2214 -0.8318 0.1942 0.3494

-0.8721 -0.6124 -0.1062 -0.6827 -0.1254 0.2157 -0.9808 -0.5148 0.3558
-0.7365 -0.7655 0.2499 -0.9880 -0.1509

0.5925 0.7225 -0.8666 0.2505 -0.7672 0.5215 0.7694 -0.5189 -
0.2447 -0.4889 -0.9071 -0.5341 0.3146 -0.3320

-0.3561 -0.1552 0.0534 -0.7242 -0.1035 0.1947 -0.7929 -0.6084 0.1376
0.7161 -0.7792 0.9906 0.6507 -0.9225

0.2095 0.1045 -0.6115 -0.8966 0.1098 0.9976 0.7327 -0.1500 0.8245
0.9843 0.4918 -0.6421 0.0796 -0.2843

0.0363 0.0134 0.3753 0.1885 -0.6796 0.4141 0.9339 0.7584 -0.4454
0.5884 -0.4635 0.5464 -0.0345 0.2247

0.5365 0.4090 0.5609 -0.4808 0.2019 0.2105 -0.1786 0.2920 -
0.5727 0.3897 -0.8925 0.5700 -0.7948 0.0161

-0.5334 -0.1167 -0.9886 0.0048 0.3863 0.0108 -0.4504 0.5845 0.2146
-0.5829 0.5016 0.3358 0.8817 -0.2846

0.3609 -0.6803 0.0666 0.1213 0.2676 -0.1456 -0.0020 0.3883 0.3059
-0.8223 -0.8369 0.3868 0.6837 -0.6374

0.6772 0.4826 0.1256 0.7476 -0.1559 -0.6505 0.5140 0.3192 -
0.5627 0.9221 -0.8428 0.7298 -0.0431 -0.2649

0.0849 -0.0139 0.1067 -0.5072 -0.9539 0.4966 0.3244 0.9163 -
0.9391 0.6968 -0.0341 -0.7594 -0.1645 0.9742

0.2699 -0.5072 -0.7912 -0.3565 -0.4926 -0.8133 0.6251 -0.9649 0.9740
-0.0679 -0.7295 0.4943 -0.6030 0.2095

-0.1878 0.7248 -0.1401 0.5983 -0.4450 -0.9342 0.0633 -0.2660 -
0.3815 -0.4372 -0.0849 -0.4732 -0.0746 0.5403

0.8226 -0.5173 0.8066 -0.9422 0.8034 0.8205 0.8463 -0.2964 -
0.4461 0.2073 -0.2518 -0.4166 0.1365 -0.3211

-0.0566 0.4796 -0.0210 0.3640 0.7215 -0.2591 -0.6057 -0.1933 0.1275
0.1242 0.8313 0.0711 -0.0923 -0.6807

-0.8070 0.7299 -0.5807 0.6230 -0.7723 0.8417 -0.9074 -0.7687 0.8594
-0.2636 -0.8153 0.5656 0.9228 -0.5105

0.0946 -0.5744 -0.5543 -0.2861 -0.6982 -0.0454 0.6622 -0.2402 -
0.0389 0.6992 -0.0552 0.0413 -0.2591 -0.4668

0.2992 -0.2983 -0.3963 -0.0194 0.3319 0.6189 0.6458 0.9853 0.6632
0.9038 0.6130 -0.2399 0.3382 -0.9227

-0.6113 -0.8773 0.7641 -0.7822 0.3667 0.2172 -0.2402 0.1383 0.3150
0.1045 0.5069 0.6238 0.1827 -0.0057

0.7655 -0.1539 -0.0726 0.3450 0.1521 0.1286 0.3927 -0.7299 0.0989
0.4456 0.6387 -0.4915 -0.8857 -0.1986

-0.4785 -0.4171 0.9545 -0.3083 -0.5266 -0.7385 0.1647 -0.9927 0.1632
-0.6343 0.0338 -0.1107 -0.7254 -0.8866

-0.4177 0.0884 0.4387 0.0806 -0.5150 0.6599 -0.2438 0.2782 0.9377
0.4013 -0.9608 -0.9040 0.7978 0.2187

0.8931 0.4165 -0.7956 -0.8082 0.4562 0.7358 0.5707 -0.2545 0.7874
-0.8373 0.2700 0.3701 -0.9236 0.7454

-0.9678 0.6895 0.5937 -0.4448 -0.6689 0.1371 -0.4304 0.9185 -
0.9442 0.3586 0.4720 0.1794 0.5142 -0.2655

0.5391 -0.8028 0.5467 -0.5052 0.5272 0.7414 -0.5428 0.8854 -
0.6281 0.2815 -0.8135 0.3181 -0.6217 -0.0321

-0.4434 -0.8243 -0.6165 -0.8861 -0.8956 0.2095 0.6862 -0.1270 0.4492
-0.5963 -0.8848 -0.4908 0.2080 0.6591

0.1926 -0.3722 0.3002 -0.5462 -0.6256 0.1503 0.0114 -0.6895 -
0.0581 0.8010 0.2040 0.3107 0.4630 -0.8303

0.3503 -0.2951 -0.6472 -0.1836 0.7581 0.8516 -0.6401 -0.4680 -
0.0322 -0.9993 0.2315 0.7489 0.1311 -0.2111

-0.0142 0.1114 -0.4630 0.8833 -0.2657 -0.3522 -0.9510 0.7391 -
0.9201 -0.0401 0.7107 -0.8810 0.5327 -0.2822

-0.9255 0.6773 -0.2151 0.8473 0.1894 0.6027 0.0756 -0.9603 0.4352
-0.9347 -0.9862 0.1674 -0.0826 -0.2659

0.8524 0.5985 0.1542 -0.0890 0.9707 -0.4886 -0.2741 0.8259 -
0.6716 -0.9409 -0.6670 -0.0708 -0.0939 0.6609

0.7007 -0.1464 -0.0949 -0.2180 -0.8436 0.9975 0.2206 -0.8712 -
0.2935 -0.0942 0.6333 0.9522 -0.8846 -0.1225

0.8092 0.9268 -0.7549 -0.1139 0.5228 0.3105 -0.4907 -0.1088 0.8240
-0.3433 -0.3019 0.2329 0.2696 0.1476

Columns 15 through 23

0.2217 -0.8645 0.4606 -0.0878 0.3323 -0.8005 0.1250 -0.9339 -
0.7955

-0.3119 -0.7863 -0.8072 0.6521 -0.3893 0.6038 -0.8499 0.5705 -
0.3135

0.8079 -0.2798 -0.7355 -0.3150 0.1599 0.9904 -0.4405 0.8059 -
0.4201

0.6509 -0.1248 -0.4947 -0.5906 0.7267 0.6144 -0.4133 0.8415 -
0.3408

0.9998 0.2369 0.0758 -0.5019 -0.5718 -0.2064 0.2452 0.6438 -
0.8110

0.1353 0.1730 0.4423 -0.5766 0.6876 0.8704 0.3134 -0.6279 -
0.5239

-0.3886 0.0964 -0.8163 0.6048 -0.2496 -0.5514 0.4436 -0.9044 -
0.4421

-0.1821 0.3451 -0.7276 0.3607 0.4859 -0.1747 -0.8857 -0.8016 0.4604
0.5650 0.9809 0.6787 0.1901 0.6290 0.0548 0.7533 -0.6226 0.9347
0.9248 -0.6432 0.5633 -0.5483 -0.6364 -0.3767 -0.8849 0.9065 0.9948
-0.3190 -0.6950 0.3468 0.5862 -0.8308 -0.0967 -0.6757 0.4559 0.7492
0.8364 -0.9897 -0.2075 0.0344 0.0807 -0.8304 -0.7088 -0.9822 0.9471
-0.7775 0.5564 0.1115 -0.6973 -0.8802 -0.9296 -0.9318 0.3733 -
0.7508
-0.9452 -0.4016 -0.1398 0.6172 -0.8606 0.5060 -0.9026 -0.4611 -
0.0239
-0.9122 -0.1548 0.8640 0.2444 0.7660 -0.9658 0.6931 -0.0008 0.3793
0.2641 -0.6553 0.7538 0.9251 0.7431 0.7464 -0.8559 -0.7872 0.2342
-0.7604 0.6263 -0.2106 -0.0922 0.3364 -0.0913 0.0447 0.4913 0.1062
-0.0535 0.2087 -0.0066 0.8678 -0.0236 0.2823 0.1058 0.3282 0.6888
0.8270 -0.3917 -0.2881 0.9008 0.0610 -0.7146 0.8639 -0.1220 0.5462
0.9449 0.9439 0.6066 -0.4055 0.4913 0.0125 -0.2542 0.4168 -
0.9071
0.9247 0.8289 0.4111 0.5671 0.2680 0.1894 -0.7001 0.6480 0.0339
0.6263 0.6507 0.4668 -0.8517 -0.5673 0.7132 -0.3700 -0.4417 -
0.3432

0.2566 -0.0920 -0.5272 0.7933 -0.1306 0.5144 -0.7512 -0.7617 -
0.4626

0.3725 0.3149 0.5257 0.3309 0.0158 -0.9228 -0.0580 0.8070 -
0.8785

0.8303 0.8299 -0.7574 -0.0163 -0.4975 0.6466 0.2634 0.9667 -
0.3875

-0.8131 -0.0998 -0.6723 0.9889 -0.4646 -0.0917 0.2900 -0.4972 0.1673

0.5669 0.0926 0.7714 0.7432 -0.7164 -0.9822 0.1213 0.1798 0.8037

0.0130 0.3661 -0.7492 -0.5515 -0.2406 0.4728 0.5122 -0.6955 -
0.2446

-0.6139 0.3913 -0.3554 -0.1451 -0.1784 -0.5415 0.2820 -0.0094 -
0.1536

0.0485 -0.5143 -0.2987 -0.5665 -0.3525 -0.8185 -0.8509 0.1353 0.6540

0.8677 -0.0714 0.5906 0.0006 0.1373 0.0480 -0.1092 0.9570 -
0.8903

-0.0668 -0.6057 -0.8652 0.7297 0.1976 -0.1079 0.4510 -0.5089 0.9032

-0.5460 -0.9659 -0.3943 -0.2041 0.5972 0.9508 0.9200 0.1280 0.1042

-0.1224 -0.5738 0.5487 0.8013 0.4921 -0.3541 -0.7389 -0.3679 -
0.5632

0.0088 0.0028 0.4814 -0.3351 -0.0932 0.9485 0.3224 0.3449 -
0.8532

0.6294 0.6955 0.6160 -0.3991 0.8037 -0.7857 -0.6240 -0.8388 0.6973
-0.4157 0.7971 -0.5270 0.2479 -0.6139 0.9319 0.4779 0.4109 -
0.8704
-0.5458 0.6188 0.7615 -0.1404 -0.1645 0.3386 0.6052 0.8242 -
0.2755
0.6907 0.8675 0.5605 -0.1498 -0.5408 0.8855 0.4818 0.4391 -
0.5938
-0.3683 0.2254 -0.9416 0.2861 0.4761 -0.3076 0.1426 -0.5174 -
0.1232
0.7004 -0.0073 0.5742 -0.9513 -0.3739 0.2964 0.3580 -0.4307 -
0.4494
0.2092 -0.6640 0.9546 -0.6571 -0.3215 -0.9943 -0.8354 0.2930 0.0509
-0.9502 0.8065 -0.5038 -0.6981 -0.6798 0.9108 -0.7613 0.8051 0.1117
-0.3579 0.2320 0.9894 -0.7829 -0.7605 -0.2250 0.9730 -0.2710 0.7382
-0.1220 0.6048 -0.8998 -0.2806 -0.9097 0.7758 0.1420 -0.9141 -
0.1910
-0.6206 -0.6537 0.0324 0.5930 -0.5963 0.7592 0.2759 -0.0396 -
0.8955
-0.0097 -0.9508 -0.8929 0.6299 0.6286 -0.0070 -0.7628 0.3599 0.6869
-0.9549 0.0780 -0.4585 0.8888 -0.0736 -0.9270 0.2529 -0.3488 0.5274

0.6916 -0.5873 -0.2412 -0.1219 0.0626 0.2043 -0.5778 -0.3726 -
0.0805

0.3603 0.1754 -0.8411 0.2761 -0.7986 -0.7482 0.6376 0.2131 0.1907
0.1995 0.3962 0.7113 0.7309 -0.4653 0.8244 0.3957 0.4859 0.3005
0.9219 0.3706 -0.6910 0.7476 0.7283 0.5370 0.1722 -0.1424 0.1974
-0.6924 0.0102 -0.8034 0.6262 -0.7344 -0.4382 -0.5895 0.7899 -
0.4176

-0.0542 -0.9972 -0.0065 0.4218 -0.1517 -0.8927 -0.7026 0.0863 0.1533
-0.6605 0.4166 -0.2534 0.4800 -0.5285 -0.6439 0.4557 0.8650 -
0.4745

0.8046 0.7626 0.5433 -0.9016 0.7451 0.1259 -0.5609 0.8333 -
0.9837

-0.9113 -0.3247 -0.1969 0.7211 0.9766 -0.1778 0.6104 0.9170 -
0.7818

0.5318 -0.9846 -0.8640 -0.7404 0.0761 -0.2056 -0.6068 -0.1673 -
0.2908

0.0112 0.1481 0.2015 -0.3984 -0.2753 -0.6074 0.8875 -0.8890 -
0.9725

-0.1074 0.5082 -0.3714 0.1029 0.4905 0.6279 -0.6959 -0.5351 -
0.7260

-0.6116 -0.5748 -0.7762 0.3284 0.5842 -0.8750 -0.5156 0.8306 -
0.9197

-0.7048 0.6850 0.9959 -0.9405 -0.0211 0.8071 0.8765 0.4919 -
0.1305

-0.7126 -0.7015 0.3822 -0.3912 -0.1172 -0.8171 0.1020 -0.2838 -
0.2638

-0.6837 -0.4152 0.5473 0.6046 -0.4245 0.0052 -0.1516 0.2554 0.0990
0.5509 -0.6467 -0.6377 0.0300 -0.8352 -0.3461 -0.4043 -0.7565 -
0.8379

0.5973 0.6143 -0.2918 0.3087 0.0079 0.9339 0.1995 -0.0608 -
0.4665

0.4326 0.5959 -0.4690 -0.1383 0.2113 0.3647 0.4474 -0.1152 0.1806
-0.7542 0.7649 0.1507 0.3014 -0.7758 -0.2609 0.4974 -0.3333 0.8522
0.3379 0.2029 0.1433 -0.3600 -0.2755 0.5386 0.2389 -0.8201 0.5182
0.1616 0.7468 0.0091 -0.9053 -0.2770 -0.7336 0.4375 -0.0185 0.7976
0.5675 -0.4481 -0.6098 0.3527 -0.9198 0.5390 -0.1078 -0.0715 -
0.1116

0.8759 0.7043 -0.8188 -0.5365 0.0714 -0.7943 -0.8834 0.9265 -
0.6386

-0.6000 0.5162 0.7428 -0.2230 0.5640 0.7483 -0.5968 -0.6013 0.6415
0.5920 -0.2653 -0.4618 0.2143 -0.0341 -0.9073 -0.5593 0.9661 0.5225

-0.3728 -0.9250 -0.9258 0.8646 -0.3868 0.6041 0.9017 -0.7603 -
0.3110

0.4702 0.1374 0.6633 -0.0693 0.2316 -0.8176 -0.7468 0.1954 -
0.7700

-0.4850 -0.2643 0.9493 -0.5849 -0.2894 0.3845 0.6328 -0.2100 -
0.2797

0.7774 -0.6178 -0.7400 0.3976 -0.9013 -0.3383 -0.5643 -0.6427 0.2158
0.9376 -0.2485 -0.7671 -0.6608 -0.6510 -0.8320 -0.2978 -0.1111 -
0.8378

0.9469 -0.1380 -0.4002 0.4728 0.9450 -0.2992 -0.1364 -0.4479 -
0.3062

0.6278 -0.7103 0.6169 -0.4118 0.3550 -0.5555 0.1912 -0.8957 -
0.2208

0.8457 0.4319 0.0559 0.3944 -0.7007 -0.6293 0.2350 0.4794 0.3975
-0.6282 -0.3302 0.2733 -0.6028 0.7774 0.9913 0.5799 -0.1964 0.7757
0.0381 -0.9563 -0.4558 0.8197 -0.8103 -0.3121 0.5311 -0.0497 0.4399
-0.1622 -0.3970 -0.8347 0.8719 -0.7604 -0.5353 0.4217 0.7539 0.2193
0.5139 -0.8470 0.8075 -0.3291 -0.1899 -0.9121 -0.5905 0.7444 -
0.7008

0.5381 0.8207 -0.9251 -0.8888 -0.1987 -0.5267 -0.7591 0.7315 0.3426

-0.1550 0.0006 -0.3104 -0.4275 -0.7894 0.8020 -0.6915 -0.8333 -
0.4976

-0.6913 -0.8628 0.1336 0.3371 0.2241 -0.7527 0.9945 -0.6507 -
0.2102

0.0773 0.0214 0.5501 -0.4397 -0.6022 0.3389 -0.3569 -0.1564 0.3896
0.8729 -0.4348 -0.3231 0.4872 0.8240 -0.8999 0.8383 0.9622 -
0.4163

0.3820 0.2314 -0.1760 -0.0206 -0.3012 0.3522 0.3849 0.8768 -
0.8079

0.4411 0.8584 0.3601 0.7661 -0.8443 -0.7515 0.7294 0.3679 0.3508
-0.0981 -0.8237 -0.5376 0.2757 -0.5104 -0.6097 0.8594 -0.7753 0.9949
0.8520 0.9848 -0.4877 0.0085 0.4940 0.5685 -0.3922 -0.3386 -
0.6956

0.0633 -0.4934 -0.0450 -0.9482 0.9066 -0.4530 -0.8215 0.7907 0.1300
-0.0751 -0.0707 0.1025 0.1682 -0.4260 -0.6499 -0.2554 0.9315 -
0.4277

-0.9047 -0.7991 -0.9446 -0.8732 -0.1219 0.0614 0.0182 0.5989 0.0665
-0.6815 -0.7572 -0.1116 0.8927 -0.0977 -0.0929 -0.6859 -0.7108 -
0.0863

0.4532 -0.3455 0.4100 -0.5078 -0.7298 0.4353 -0.6465 -0.4767 -
0.2096

Lampiran 4 Hasil Random Bias Hidden Layer

>> Bias_HL

Bias_HL =

0.5525

0.4795

0.1452

0.4080

0.1506

0.3447

0.7887

0.8336

0.9732

0.9080

0.3343

0.0687

0.9674

0.2667

0.6234

0.7076

0.2195

0.4816

0.0839

0.6785

0.2424

0.4528

0.4488

0.4271

0.5319

0.8745

0.0480

0.3251

0.1580

0.2517

0.7487

0.0163

0.8784

0.4053

0.1962

0.8600

0.9905

0.1186

0.9741

0.9625

0.0618

0.1806

0.8075

0.3644

0.4603

0.4908

0.0837

0.9029

0.7943

0.1089

0.2209

0.3919

0.5718

0.3543

0.7138

0.9744

0.2530

0.7226

0.8820

0.3499

0.1633

0.9144

0.4991

0.1254

0.7990

0.3112

0.1419

0.8070

0.1723

0.6462

0.1754

0.8949

0.4198

0.2846

0.4328

0.5705

0.8229

0.2925

0.5363

0.4219

0.6516

0.2184

0.2955

0.4244

0.1931

0.7096

0.0533

0.8843

0.4190

0.0459

0.5129

0.7611

0.7499

0.2715

0.4502

0.1105

0.1084

0.4916

0.0513

0.4676

Lampiran 5 Hasil Bobot Output

>> Outputweights

Outputweights =

-0.1238	-1.3012	-0.1758	0.0053	-1.0604	-0.7682	-0.4132
0.7276	0.1131	0.2548	0.2642	0.4568	1.2570	-0.6557
0.9029	-0.6335	0.2161	0.0978	0.0072	-0.0711	0.2431
-0.8450	-0.9680	-0.1436	0.4384	1.0788	0.6792	-2.0147
-0.2215	-0.4411	-0.1786	-0.4727	-0.4919	1.3071	0.4364
1.1253	-0.1229	-0.0935	0.4187	-0.9809	0.9754	0.7489
1.0184	0.5475	0.8989	0.3160	1.0414	0.3886	0.0054
-0.4576	0.1403	-0.1782	1.0266	0.0709	-0.0293	-0.4813
-0.0308	-1.0043	-0.2588	-0.0991	0.9565	0.6526	0.3535
-0.1006	1.1762	-0.0889	0.3272	0.4428	-0.1837	-0.0260
-0.2331	0.3358	-0.9214	0.5753	-0.5886	0.4016	0.2053
0.2418	-0.4529	-0.2265	-0.4348	0.0993	0.1988	0.9189
-0.1526	-0.4063	-0.3436	-0.3651	-2.2617	-0.3827	-0.9409
0.3157	1.2195	-0.1618	0.5145	-0.2553	0.1515	-0.0512
0.4441	0.6027	-0.1641	-0.0427	0.1201	0.1637	0.0733
-0.0279	0.2607	0.2642	-0.3314	0.3709	-0.4494	-0.6232
-0.3653	1.3754	-0.5130	0.3416	0.4824	0.6233	-0.3207
1.0178	0.7818	1.1800	0.2775	0.0179	-0.2011	0.7659
-0.8106	-0.1348	-0.2995	-0.4233	-1.8252	-1.3741	-0.6658
-0.2340	0.5663	-0.4202	-0.0281	-0.8001	-0.5019	-0.7345
-0.2351	0.5333	-0.1744	0.2029	0.5419	-0.7340	-0.5033
0.0398	1.2010	-0.8819	0.2120	-0.2812	-1.1095	-0.6100
0.5983	0.3911	0.1563	0.0257	-0.0175	0.7496	0.8243
-0.7421	0.0223	-0.7137	-0.9483	0.5917	0.2151	1.3924
-0.6595	-0.6467	-0.2905	0.5881	0.7716	-0.0544	-0.6292

-1.0248	-0.9925	0.2434	-0.9620	-0.9091	0.5367	-0.0581
0.8497	-1.7217	0.5845	-0.0175	1.6410	0.2531	0.6083
0.0384	-0.2259	0.1221	0.0814	-0.7298	0.1532	-0.9951
0.0826	-0.7528	-0.3196	0.7476	1.4589	0.0573	-0.1336
0.7990	-1.2590	-0.0125	-1.1113	1.2233	0.5522	0.0975
0.7361	-0.2855	0.8980	0.0846	0.1012	-0.4340	-0.1739
-0.7324	0.1037	-0.1888	0.1088	0.6665	0.3427	0.3639
1.1208	-1.1749	-0.0497	-0.7327	0.5071	0.0978	0.7823
-0.4603	-0.3047	0.0899	0.4417	0.1578	0.3177	0.0205
0.5486	-0.6745	-0.4660	0.7744	0.3764	0.1623	-0.3080
0.1118	-0.8678	0.5926	-0.3570	0.5305	-0.2029	0.3605
-0.3440	-0.9980	0.5344	-0.0477	-0.9991	-0.0782	-0.1862
-0.6380	0.6359	0.1917	0.2073	-0.3069	0.2612	0.0275
-0.1752	-1.2197	0.4537	-0.2075	0.7203	-0.0270	0.0259
-0.3618	-0.6299	0.2102	-0.0009	-0.7919	-0.4094	0.4327
-0.2400	-0.3465	-1.0421	-0.6671	0.6143	-0.2550	0.3123
-0.2574	0.9583	0.2975	0.6458	-0.4052	0.3266	-0.0410
-0.2833	0.4980	0.3871	-0.6270	-0.0539	-0.1298	-0.1791
0.1532	-0.2374	0.6602	-0.5924	-0.3370	0.3364	-0.1125
0.1672	-1.2033	-0.1624	0.1189	-0.6592	0.0957	0.4288
0.5440	-1.8272	-1.1518	0.2062	-0.7801	0.6272	-0.9450
0.2801	-0.6481	0.1653	-0.1549	-0.8035	-0.1423	1.1166
-0.0046	0.3619	-0.5515	0.3651	-0.3413	-0.0966	-0.2398
-0.7176	0.2664	0.8384	-1.0488	0.3647	-0.2451	-0.5903
0.8505	-0.2053	-0.2078	0.1724	-0.0306	0.1261	-0.6260
-0.4593	0.6184	-0.5292	-1.0627	-0.7347	0.2880	-0.6083
-0.3682	0.0616	-0.5565	0.4426	-1.3641	0.3507	-0.1305
-0.0873	-0.4954	0.6649	-0.6705	-0.0648	-0.3360	-0.1351
0.2568	-1.3809	0.0605	0.0607	0.7481	0.5677	-0.5911
0.4790	0.7639	0.5453	0.4842	0.5734	-1.8217	0.3834

0.4338	0.5210	0.3591	0.4059	-0.2370	0.4050	0.4230
-0.3468	0.4651	0.2933	-0.1710	-1.1536	-0.2336	-0.3166
-0.1294	0.2804	0.1866	-0.1266	-0.1099	-0.0965	-0.8105
-0.2198	0.2943	0.4056	-0.2333	0.2457	-0.1086	-0.2925
0.1642	-1.2824	-0.7296	0.3602	0.9769	-0.0031	-0.2101
-0.0281	0.4523	-0.1851	-0.7251	1.0021	0.0118	0.0071
0.2153	0.1033	-0.6724	0.1899	-0.4499	0.0003	1.5937
-0.9675	0.5696	-0.2164	0.0967	1.3576	-0.8636	0.1896
0.5506	-0.1317	-0.5481	-0.0453	0.1249	0.0711	0.5687
0.0539	0.8843	0.0153	-0.4488	0.3479	0.6292	0.0785
0.5006	0.9854	0.3562	-0.7694	0.0555	-0.2316	1.8130
0.2530	1.0157	0.0812	0.0174	-0.8264	-0.0688	0.3521
0.4130	0.3164	0.0513	0.2071	0.2626	-0.4653	-0.8773
-0.0375	-0.9122	-0.1752	-0.0435	-0.6360	-0.3515	-0.2164
-0.0277	0.7258	0.9706	-0.8855	-0.2239	-0.6782	0.7288
-0.6843	1.1914	0.5991	0.1117	-0.4001	-0.4255	-0.2349
0.0460	2.0257	-0.0533	0.5072	0.2765	0.4950	0.1491
-0.3055	0.2374	0.5789	0.3542	0.0226	0.0783	-1.2983
-1.6804	-0.8619	-0.3542	1.7162	-0.4948	-0.0582	-2.0747
-0.6185	-0.0978	0.1933	0.1947	-0.0992	0.0130	0.1311
-0.1750	0.1021	-0.3731	0.8571	-1.0841	-0.5887	-0.1330
-0.9181	-0.3035	-0.3805	-0.1927	0.7099	0.3436	0.5103
-0.0446	0.8597	0.0756	-0.2141	-0.4099	-0.5721	-0.0736
0.3105	0.8773	-0.3531	0.5565	0.4730	0.0493	0.6500
-0.3437	1.2107	-0.8267	0.2828	-0.8921	0.2656	0.0626
0.7783	-0.4247	0.3604	-0.8044	-0.2091	0.3643	0.5769
0.2655	0.0882	-0.8124	0.4160	0.1753	-0.1281	0.3830
-0.4127	0.2753	0.0695	0.1627	0.7652	0.5691	-0.0563
-0.1963	2.6843	0.4994	0.1349	0.0547	-0.2358	0.3304
1.1283	-0.8313	-1.1024	0.2770	-1.6360	0.0435	1.1529

0.4376	0.1580	0.6294	-0.7330	0.4847	-0.5250	0.7573
0.4549	-2.4122	-0.1021	0.1967	-1.2787	-0.4061	-0.0230
-0.6896	1.0701	-0.4438	-0.7336	0.4547	0.7270	0.4673
-0.2309	0.2799	-0.2440	-0.0914	-0.3269	-1.0882	-0.2495
0.3940	0.9945	-1.0356	0.0041	1.7784	1.1571	-0.2873
0.0430	1.0524	0.0636	-0.2744	0.3978	-0.3003	0.0393
-0.0695	0.1332	0.6098	0.2737	2.2718	0.7070	-0.1861
-0.5964	-0.9500	0.4367	-0.0846	0.0291	0.3019	0.0370
0.3724	0.0787	-0.4204	0.8068	0.0217	0.1390	-0.2303
0.3028	-0.1395	-0.0105	-0.5219	-0.0680	-0.5446	0.6481
1.0557	-0.3838	0.2856	-0.1517	-0.2164	0.0298	-0.0573
0.4395	-1.2569	1.0471	0.8437	1.2860	-0.0131	-0.4979
-0.3618	0.0917	-0.0788	-0.5852	-0.1780	0.4053	1.6125
-0.4960	0.5951	0.2483	-0.2414	-0.4156	-1.4804	-0.7813
-0.4951	-1.2406	0.7334	0.2301	-1.1006	-0.4654	-0.5490

Lampiran 6 Hasil Output Model

>> ModelOutputs

ModelOutputs =

-1.9949	0.1616	0.6281	0.5045	-0.1623	-1.0234	-0.5967
-0.8995	0.7611	0.6142	0.6086	0.0409	0.2352	-1.7432
-2.2117	0.4268	0.5544	0.1379	-0.0928	0.2755	-0.2805
-2.2613	0.4421	0.7267	0.4904	0.3215	-1.1960	-0.3113
-0.4457	0.1680	0.3154	0.2691	0.3399	-1.1363	-1.3835
-0.3058	0.2823	0.6787	-0.4767	-2.8840	-0.6155	-0.8907
-0.5078	0.1698	0.4269	-0.1778	-2.3458	-0.6067	-1.4673
-2.1132	0.3637	0.6142	-0.2174	-1.6963	0.2344	0.0443
-2.1804	0.2535	0.5604	0.3091	0.5857	0.5088	0.8985
-2.0866	0.5500	0.6688	0.7967	0.2503	0.4428	0.6524
-0.0998	0.2552	0.6384	0.2201	0.1246	0.4554	-0.8981
0.0665	0.5899	0.6856	0.6202	-0.1002	0.3425	-1.3583
0.2087	0.1377	0.4889	0.5585	0.4575	0.2976	-0.8424
0.6597	0.4128	-1.8444	0.6609	0.5523	0.2703	1.2060
-2.2605	0.1375	0.2463	0.9173	0.7729	-0.0581	0.4578
0.2015	0.1220	0.3917	0.6643	0.2776	0.6138	-0.5296
0.1760	0.5288	0.6727	0.3138	-0.3226	0.6705	-0.8924
-0.3735	-1.1000	0.3462	-0.2951	0.6002	-0.9084	-1.5897
1.0228	-0.6934	0.8264	-2.4473	0.6814	0.5462	0.2409
0.2330	-0.1628	0.1449	-1.9320	0.1138	0.0206	1.4260
1.0970	-0.2919	0.4758	-2.0398	0.2402	0.3402	1.5293
0.7670	-1.0412	0.6534	-2.1478	0.6092	0.5588	1.3697
0.6933	-0.8603	0.4624	-1.9120	0.7648	0.5378	1.6111
0.8145	-0.4322	0.8718	-2.1280	0.6824	-0.6316	1.2853
0.7773	-0.7617	0.4493	-1.6323	-0.4991	-0.7965	0.5369

0.3273	0.0141	0.1950	-1.8440	0.5237	0.0980	1.2062
0.4024	-0.2207	0.5087	-2.1115	-0.0264	0.2060	1.1691
-0.1424	-0.0840	0.2462	-1.9558	0.4487	0.0822	1.3153
0.1009	-0.3921	0.1196	-1.9745	0.3864	0.3392	1.5136
0.3599	0.1848	0.3593	-1.9018	0.8444	0.1924	1.5621
0.5601	0.1947	0.8223	-2.1888	-0.2246	0.2340	1.4305
0.7063	0.2452	0.3048	-1.9015	-0.2671	0.2192	1.2430
0.0214	0.1042	0.5749	-2.2500	0.6033	0.1402	1.6691
0.6319	0.2496	0.4323	-1.9816	0.5722	0.4012	1.1289
0.4942	-0.2931	0.4332	-1.8935	0.2582	-0.9519	0.4535
0.7337	0.1517	0.6693	-2.1362	0.5844	0.5857	1.7954
1.1073	-0.1669	0.2863	-2.0320	0.7485	0.7450	2.0037
0.7339	0.4070	0.7471	-2.4348	0.3939	-0.7514	0.8948
0.4066	0.2606	0.4358	-2.1366	0.5877	0.4833	1.4580
0.4957	0.2642	0.4542	-1.8508	-0.1829	0.2298	1.5134
0.3329	0.2594	0.6652	-2.0344	1.3967	-0.9001	0.5584
0.1920	-0.1080	0.1787	-2.1339	1.1733	0.0143	1.2809
0.5324	-0.3573	0.3211	-1.8904	1.1610	0.5383	1.5589
0.0744	0.6796	0.6315	-1.8475	1.5657	-3.3889	1.9317
0.6179	0.5641	0.6588	-0.4125	1.0845	-3.5111	1.6653
0.2257	0.5088	0.6356	0.7840	-0.0661	-3.1113	1.7722
0.3097	0.3020	0.4195	0.5352	-0.2199	-3.8654	1.7365
0.4424	0.6807	0.6953	0.9012	-2.5836	-3.5687	1.5478
0.1855	-0.0543	0.5506	0.6070	1.5279	-1.1706	0.5710
0.3724	1.0829	0.5485	0.6345	0.0018	0.4231	-0.8032
0.0233	0.4335	0.8045	0.5880	0.6081	0.2693	-0.4678
-0.2863	0.5757	0.4565	-1.8621	0.3874	-0.0732	1.0878
0.2276	0.8493	0.6777	0.7575	-0.2637	0.7272	-0.6618
0.4109	0.1681	0.5971	-0.1059	1.4757	-1.0027	0.2971
0.2741	0.5449	0.5492	0.5823	0.2187	0.5936	-0.7602

0.7813	0.0027	0.3500	0.6012	0.3245	0.7436	-1.8140
0.1772	0.2380	0.6395	0.1578	0.1979	0.9054	-0.1071
0.2187	0.6206	0.8533	0.3928	0.4222	0.6136	-0.4497
0.1948	0.7071	0.6809	0.6945	0.4049	0.4045	-0.3185
0.0120	0.0647	0.5275	0.4865	-2.7789	-1.1936	-1.5663
0.1131	1.0334	0.6476	0.1832	-0.4783	0.8365	-0.0965
0.1481	0.5202	0.7211	0.3960	-0.2021	0.9401	-0.1267
-3.2213	0.6950	0.9309	0.5147	0.8116	0.3391	0.5201
0.0316	0.8461	0.7376	-0.3845	-0.0965	-0.4994	-0.6024
0.3641	0.8231	0.6215	0.3889	-0.1511	0.1837	0.0668
0.2780	-0.3500	0.4542	0.3647	0.2161	0.6320	-0.7396
-0.0474	0.2364	0.3044	0.4568	-0.1233	0.8219	-0.5471
0.1311	0.5149	-1.7930	0.3569	-2.9365	-1.0481	0.1748
0.4056	0.6939	-1.8718	0.2088	-2.7989	-1.0379	0.5114
0.3244	0.5199	-1.7037	-0.5341	-0.3890	-1.6685	-0.1406
-0.2042	0.6513	0.5110	0.4099	-0.3253	1.0556	-0.9508
0.2282	0.2487	0.7130	0.2868	0.4647	0.6350	0.1547
0.1377	0.3896	-1.1127	-0.0259	0.3634	0.1914	-0.5738
-1.8151	0.6268	0.5842	0.3039	-0.0757	0.8938	1.4055
0.2383	-0.0754	0.2882	0.8883	-0.2577	0.6904	-0.9265
-1.7511	0.4662	0.7184	0.3942	-0.7404	0.8716	0.5153
-1.8001	0.4147	0.4206	0.2919	0.5301	-0.0194	1.1998
0.1978	0.2633	0.4864	0.5874	0.2319	0.6192	-0.7463
0.1419	0.5132	0.4425	0.5904	-0.2133	0.9185	-0.2790
0.2207	0.1190	0.6715	0.3362	-0.1172	0.6769	-0.0514
0.6231	-1.4677	0.2352	0.6605	0.7652	1.1099	-1.6872
0.9540	-1.5482	0.6257	0.5200	0.0782	0.7066	-1.8573
1.1057	-4.4141	0.5450	0.4546	0.0895	0.9141	-0.3310
0.9023	-1.5807	0.4277	0.5086	0.4532	0.9336	-1.5958
-0.4414	0.5324	0.4967	-0.2099	0.5530	0.8817	-1.8880

-0.4456	0.3687	0.8553	0.5608	0.0485	0.8915	-1.6735
0.1570	0.5771	0.5806	0.3337	-0.1582	0.8901	-0.0235
-2.1629	0.6518	0.7773	0.2801	-0.4586	-0.7709	0.9351
0.1511	0.4039	0.5813	0.6111	0.1644	0.7091	-0.2827
0.1354	-0.3317	0.3498	0.5869	0.6993	0.7506	-0.0767
0.6347	-0.8306	0.3017	0.6618	-2.8796	-0.7763	-1.0737
-1.2277	-0.8524	0.4269	0.4048	0.3177	-0.4392	-1.2784
0.6341	-1.0234	0.5582	0.4643	0.1892	0.5521	-0.8142
0.8408	-3.5716	0.7159	0.6332	0.3032	-0.3784	0.4795
1.2204	-1.0292	0.6395	0.5553	0.6320	0.8868	-0.1056
0.9985	-0.4421	0.8359	0.6807	0.8046	0.8658	0.0757
1.1347	-0.7611	0.7309	0.5406	0.3431	1.0229	-0.6180
0.9923	-0.9627	0.5925	0.6316	0.2012	-0.0564	-1.0123
-1.4261	-0.7673	0.7045	0.2667	-0.3431	-0.9539	-0.6816
-1.7706	-0.5778	0.4017	0.7465	-2.8814	-0.9440	-1.2203
0.5248	-0.9924	0.4964	0.3617	-2.8752	0.5526	-1.0075
0.8569	-0.9593	0.3536	0.8033	-0.1798	1.0287	-0.6973
1.0536	-0.5311	0.8069	0.2372	0.2023	0.7477	-0.4694
0.9174	-0.2885	0.3738	0.4899	-0.2783	1.2574	-0.6594
-1.6373	-0.8999	0.6234	0.4515	-0.1137	0.4185	-1.3443
-2.5141	0.5115	0.6179	0.5467	-2.9105	-0.4023	-0.6831
-0.0312	-3.8076	0.7350	0.5112	-0.2115	0.2193	-0.9397
-2.0364	-0.0351	0.4486	0.5551	0.1259	-1.1321	-0.1783
-2.0727	-0.2495	0.3127	0.4052	0.2113	0.6153	0.4271
0.3879	-0.2984	0.2780	0.5260	-0.0046	-3.5983	1.1288
0.0619	0.7513	-1.9937	-0.1537	-0.4914	0.1408	-0.7813
-0.0021	0.6830	-1.9251	0.4495	-0.4043	0.3179	-0.5020
-0.2705	0.6526	-1.9236	0.4874	-0.4417	0.3268	-1.3480
-0.1842	0.2851	-1.9205	0.1947	-0.0645	-0.6648	-0.5228
-0.0134	0.2946	-2.0605	0.3275	-1.0559	0.5456	-0.8012

-0.0457	0.7638	-2.0558	0.2266	-0.1906	0.6955	-0.8974
0.5841	0.3785	-1.8270	0.3769	-0.1567	0.9082	-0.6245
0.1401	0.3420	-1.8374	0.5675	-0.3042	0.5261	-1.0291
0.5480	0.5370	-1.8034	0.3385	-0.7572	0.6436	-0.7993
-0.0865	0.5117	-1.8930	0.7428	-0.1455	0.4764	-0.6622
0.0694	0.0985	-2.0140	0.6249	0.3160	1.0559	-0.5429
-0.1329	0.5279	-1.9384	0.2787	-1.0866	0.9852	-1.0753
0.3052	0.2027	-2.0212	0.5924	0.1966	1.2409	-0.2845
0.1712	0.4023	-1.9424	-0.1967	-3.1657	0.0498	-0.1437
0.3848	0.6249	-1.7883	0.4009	-0.2870	0.7287	-0.1111
0.1727	0.3904	-1.8372	0.2418	-0.4138	1.0471	-1.5844
1.1632	0.6418	-1.7369	0.2661	0.1348	-1.1837	0.6465
1.1817	0.5613	-1.8010	0.5320	0.1400	-0.7884	0.8074
0.6369	0.1478	-1.8244	0.8869	0.9592	-0.0519	0.5319
1.0852	0.5284	-1.8931	0.5528	0.4301	-0.4132	0.3814
0.9470	0.4453	-1.2031	0.6061	0.8708	-0.5324	0.9048
0.8543	1.1077	-1.0083	0.6172	0.4589	-0.6033	0.3481
1.1082	0.6707	-0.9528	0.6457	0.0508	0.1040	0.3521
0.3717	-0.4151	-1.0163	0.8905	0.4098	-1.3047	-0.0361
1.1777	0.8720	-1.1799	0.5170	0.5127	-0.7103	0.3721
0.8727	0.1685	-0.9411	1.1957	1.4960	0.3004	-0.0820
1.2342	0.4807	-1.5306	0.2429	0.0397	-0.9194	0.4104
1.1471	0.8310	-1.7707	0.3574	0.2296	-0.0355	0.1439
0.7489	0.0898	-1.7374	0.3536	0.8563	-0.0026	0.5232
0.5553	0.8569	-1.8814	0.6876	0.7424	-0.0375	0.2558
0.8556	0.5148	-2.0249	0.5080	0.0933	-1.7114	-0.1981
-0.2637	0.6089	0.4933	0.3912	-0.2874	0.5084	-0.5351
-1.6438	0.4731	0.4967	0.4951	-0.1832	0.7590	0.9605
-1.7051	0.0305	0.4759	0.6172	0.4851	-0.5852	0.6983
0.2748	0.4351	0.6062	-0.1714	-2.7222	-0.2319	-0.9626

-2.0686	-3.7640	0.7311	0.6163	0.6798	-0.3334	-0.4751
-2.2393	0.6003	-0.8447	0.7603	0.6424	0.0575	-0.8380
-1.7434	-0.1709	0.2327	1.0093	1.3858	-0.1571	0.9883
-1.8806	0.0308	0.4843	0.7594	1.2889	0.6010	0.8611
0.2503	0.5422	0.6155	0.6914	0.7733	0.6613	-0.3218
1.0758	-5.8581	0.6909	0.5732	0.9452	-0.1834	1.1419
0.4919	-0.9387	0.7703	0.5606	0.8144	0.1121	-0.6540

Lampiran 7 Hasil Pengujian Prediksi

>> ypred

ypred =

55.5413	26.2385	71.3943	51.1874	73.0946	59.2698	42.8612
61.2660	23.7326	82.6362	41.7689	72.4832	52.8057	44.1480
63.6042	17.9586	75.7578	70.2927	73.6126	49.6575	53.9256
63.5518	14.4205	60.7830	72.8393	69.9082	58.1526	48.5654
60.0069	19.6232	71.0125	70.1376	69.1247	54.7385	47.4114
64.5084	44.5786	63.7784	59.7450	71.5916	62.6779	26.7137
73.1966	45.0211	73.0691	61.2553	65.7738	65.9087	32.9628
60.5165	44.7812	73.1733	65.8103	74.5748	57.1071	39.2286
52.8406	58.5930	74.0407	61.7139	62.6865	56.3586	40.1259
60.6293	58.8499	15.7756	66.9948	75.3847	61.2997	49.1689
55.2707	59.3035	67.5226	55.4579	66.0874	61.4453	46.0727
45.6517	69.0517	53.6328	55.1189	59.7310	62.0057	32.4916
52.0859	58.3531	64.2262	49.5927	63.1064	64.8716	40.1297
51.5218	62.2076	65.7252	60.4612	61.8331	65.1787	37.0448
50.2838	46.9910	69.8891	31.3551	57.9996	52.2878	29.4668
56.6667	59.9543	73.9618	62.8364	60.4549	62.8222	32.0165
55.3047	60.9737	58.8340	62.6279	61.8457	64.6746	35.1803

Lampiran 8 Hasil Error Model

>> Err1

Err1 =

7.4312	0.9173	15.1520	11.7458	19.8272	4.4036	6.8235
1.1839	13.0122	31.1686	33.5736	8.1839	15.0488	2.4786
11.5863	30.9285	28.4031	16.5716	13.2502	10.3500	12.3451
5.9196	39.9146	1.9630	21.3988	10.9654	9.7218	15.6319
3.4601	18.2366	18.3541	16.8961	8.4309	9.4769	14.1894
4.0457	14.2720	2.8684	5.1666	10.1409	3.1104	21.1520
16.1851	15.0544	14.1704	3.4892	9.6229	8.1711	3.0505
4.3389	17.0719	18.0215	4.4609	12.9920	14.2143	11.9218
1.6166	8.4484	15.6887	0.2989	0.4977	13.6949	12.1777
34.7318	8.0470	385.4029	6.3409	12.5145	2.1662	18.0518
10.5414	4.3491	7.1788	10.0878	1.3620	1.0703	34.4403
8.6967	6.2333	17.4880	1.5733	0.4483	1.5782	0.9101
4.1718	10.2260	1.1904	14.4953	1.7845	2.9708	11.4714
7.3371	2.8006	2.6956	4.9126	3.0551	3.4583	22.0988
0.5676	24.2081	12.7243	21.6122	7.9371	4.9312	13.3329
13.3335	0.0761	23.2696	4.7274	4.0398	1.3261	0.7239
6.3552	3.2164	6.6127	7.9791	1.3865	2.6582	2.2769

Lampiran 9 Hasil MAPE

MAPE= 8.3237

MAPE= 12.7654

MAPE= 35.4325

MAPE= 10.9018

MAPE= 7.4376

MAPE= 6.3736

MAPE= 11.9457

Error Average= 13.3115