LAMPIRAN A
HASIL PELATIHAN ANFIS

Root Mean Square Error (RMSE) hasil pelatihan ANFIS dengan epoch 5 adalah sebagai berikut :

Start training ANFIS ...

1	0.00159521
2	0.00159519
3	0.0015952
4	0.0015952
5	0.0015952

Designated epoch number reached --> ANFIS training completed at epoch 5.

Root Mean Square Error (RMSE) hasil pelatihan ANFIS dengan epoch 10 adalah sebagai berikut :

Start training ANFIS ...

1	0.00159521
2	0.00159553
3	0.00159539
4	0.00159547
5	0.00159548
6	0.00159547
7	0.00159522
8	0.00159548
9	0.00159526
10	0.00159548

Designated epoch number reached --> ANFIS training completed at epoch 10.

Root Mean Square Error (RMSE) hasil pelatihan ANFIS dengan epoch 50 adalah sebagai berikut :

Start training ANFIS ...

1	0.00159521
2	0.00159519
3	0.0015952
4	0.0015952
5	0.0015952
6	0.00159519

Step size decreases to 0.009000 after epoch 6.

7	0.0015952
8	0.00159519

9 0.00159519
10 0.00159518
Step size decreases to 0.008100 after epoch 10.
11 0.00159515
12 0.00159517
13 0.00159513
14 0.00159515
15 0.0015951
Step size decreases to 0.007290 after epoch 15.
16 0.00159512
17 0.0015951
18 0.0015952
19 0.0015951
Step size decreases to 0.006561 after epoch 19.
20 0.00159519
21 0.0015951
22 0.00159518
23 0.0015951
Step size decreases to 0.005905 after epoch 23.
24 0.00159518
25 0.00159509
26 0.00159517
27 0.00159509
Step size decreases to 0.005314 after epoch 27.
28 0.00159517
29 0.00159508
30 0.00159517
31 0.00159508
Step size decreases to 0.004783 after epoch 31.
32 0.00159516
33 0.00159507
34 0.00159516
35 0.00159507
Step size decreases to 0.004305 after epoch 35.
36 0.00159516
37 0.00159506
38 0.00159515
39 0.00159506
Step size decreases to 0.003874 after epoch 39.
40 0.00159514
41 0.00159506
42 0.00159513
43 0.00159505
Step size decreases to 0.003487 after epoch 43.
44 0.00159513
45 0.00159505
46 0.00159512

47 0.00159504
Step size decreases to 0.003138 after epoch 47.
48 0.00159511
49 0.00159504
50 0.0015951

Designated epoch number reached --> ANFIS training completed at epoch 50.

Root Mean Square Error (RMSE) hasil pelatihan ANFIS dengan epoch 100 adalah sebagai berikut :

Start training ANFIS ...

1 0.00159521
2 0.00159519
3 0.0015952
4 0.0015952
5 0.0015952
6 0.00159519
Step size decreases to 0.009000 after epoch 6.
7 0.0015952
8 0.00159519
9 0.00159519
10 0.00159518
Step size decreases to 0.008100 after epoch 10.
11 0.00159515
12 0.00159517
13 0.00159513
14 0.00159515
15 0.0015951
Step size decreases to 0.007290 after epoch 15.
16 0.00159512
17 0.0015951
18 0.0015952
19 0.0015951
Step size decreases to 0.006561 after epoch 19.
20 0.00159519
21 0.0015951
22 0.00159518
23 0.0015951
Step size decreases to 0.005905 after epoch 23.
24 0.00159518
25 0.00159509
26 0.00159517
27 0.00159509
Step size decreases to 0.005314 after epoch 27.
28 0.00159517

29 0.00159508
30 0.00159517
31 0.00159508
Step size decreases to 0.004783 after epoch 31.
32 0.00159516
33 0.00159507
34 0.00159516
35 0.00159507
Step size decreases to 0.004305 after epoch 35.
36 0.00159516
37 0.00159506
38 0.00159515
39 0.00159506
Step size decreases to 0.003874 after epoch 39.
40 0.00159514
41 0.00159506
42 0.00159513
43 0.00159505
Step size decreases to 0.003487 after epoch 43.
44 0.00159513
45 0.00159505
46 0.00159512
47 0.00159504
Step size decreases to 0.003138 after epoch 47.
48 0.00159511
49 0.00159504
50 0.0015951
51 0.00159503
Step size decreases to 0.002824 after epoch 51.
52 0.00159509
53 0.00159502
54 0.00159508
55 0.00159502
Step size decreases to 0.002542 after epoch 55.
56 0.00159507
57 0.00159501
58 0.00159505
59 0.00159501
Step size decreases to 0.002288 after epoch 59.
60 0.00159505
61 0.001595
62 0.00159504
63 0.00159499
Step size decreases to 0.002059 after epoch 63.
64 0.00159503
65 0.00159499
66 0.00159502

67 0.00159499
Step size decreases to 0.001853 after epoch 67.
68 0.00159502
69 0.00159498
70 0.00159502
71 0.00159498
Step size decreases to 0.001668 after epoch 71.
72 0.00159501
73 0.00159498
74 0.00159501
75 0.00159498
Step size decreases to 0.001501 after epoch 75.
76 0.00159501
77 0.00159497
78 0.001595
79 0.00159497
Step size decreases to 0.001351 after epoch 79.
80 0.001595
81 0.00159497
82 0.00159499
83 0.00159497
Step size decreases to 0.001216 after epoch 83.
84 0.00159499
85 0.00159497
86 0.00159499
87 0.00159497
Step size decreases to 0.001094 after epoch 87.
88 0.00159499
89 0.00159497
90 0.00159498
91 0.00159497
Step size decreases to 0.000985 after epoch 91.
92 0.00159498
93 0.00159496
94 0.00159498
95 0.00159496
Step size decreases to 0.000886 after epoch 95.
96 0.00159498
97 0.00159496
98 0.00159497
99 0.00159496
Step size decreases to 0.000798 after epoch 99.
100 0.00159497

Designated epoch number reached --> ANFIS training completed at epoch 100.

LAMPIRAN B

SPESIFIKASI SOUNDCARD SB LIVE 24 BIT

General Specifications

PCI Bus Mastering

- PCI Specification Version 2.1, 2.2 and 2.3 compliant
- Bus mastering reduces latency and speeds up system performance

Sound Blaster Live! 24-bit Processor

- 64-voice wavetable synthesizer
- Professional quality digital mixing and equalization

High Quality Audio Path

- Selectable analog sources such as Line In and Microphone In
- Playback of 64 audio channels, each at an arbitrary sample rate
- 24-bit Analog-to-Digital conversion of analog inputs at 96 kHz sample rate
- 24-bit Digital-to-Analog conversion of digital sources at 96 kHz to analog 7.1 speaker output
- 16-bit to 24-bit recording sampling rates: 8, 11.025, 16, 22.05, 24, 32, 44.1, 48 and 96 kHz

Professional Digital Audio Processing

- Supports Sony/Philips Digital InterFace (SPDIF) format of up to 24-bit/96 kHz quality
- SPDIF input of up to 24-bit/96 kHz quality
- SPDIF output at selectable sampling rate of 48 or 96 kHz
- Software switching of SPDIF Input-to-Output (bypass) to minimize cable connection hassle

Note

- SPDIF input and output requires Digital I/O Module.
- SPDIF output not available during playback of protected digital audio contents authored with DRM (Digital Rights Management) technology.

Flexible Mixer Control

- Software playback control of CD Audio, Line In, Microphone In and Wave/DirectSound device
- Software recording control of selectable input of various audio sources for recording CD Audio and Line In, Microphone In and Wave/DirectSound device
- Adjustable master volume control

- Separate bass and treble control
- Front and rear balance control
- Muting and panning control for selectable sources

Creative Multi Speaker Surround (CMSS)

- Multispeaker technology
- Upmixes mono or stereo sources to 7.1 channels
- Professional-quality panning algorithm

LAMPIRAN C

SPESIFIKASI SOUNDCARD SOUNDMAX