
LIST OF FIGURES

2.1	Backpropagation Neural Network with one hidden layer	12
3.1	Block diagram	18
3.2	Backpropagation diagram	19
3.3	Backpropagation Training Process	20
3.4	Backpropagation Testing Process	22
3.5	Prediction plot	24
3.6	Portfolio plot	25
4.1	Comparison Backpropagation 80%:20% BNI Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	35
4.2	Comparison Backpropagation 80%:20% BNI Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	36
4.3	Comparison Backpropagation 80%:20% BNI Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	37
4.4	Plot BNI Stock Price during 1 year ahead	38
4.5	Comparison Backpropagation 80%:20% BCA Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	39
4.6	Comparison Backpropagation 80%:20% BCA Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	40
4.7	Comparison Backpropagation 80%:20% BCA Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	41
4.8	Plot BCA Stock Price during 1 year ahead	42
4.9	Comparison Backpropagation 80%:20% Mandiri Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	43
4.10	Comparison Backpropagation 80%:20% Mandiri Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	44
4.11	Comparison Backpropagation 80%:20% Mandiri Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	45
4.12	Plot Mandiri Stock Price during 1 year ahead	46
4.13	Plot BNI, BCA and Mandiri Stock Price during 1 year ahead	48
B.1	Comparison Backpropagation 60%:40% BNI Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	73
B.2	Comparison Backpropagation 60%:40% BNI Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	74
B.3	Backpropagation 60%:40% BNI Stock 1 months training, testing and pre- diction with 1 input data as target and prediction (monthly)	75
B.4	Comparison Backpropagation 60%:40% BCA Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	76
B.5	Comparison Backpropagation 60%:40% BCA Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	77

B.6	Comparison Backpropagation 60%:40% BCA Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	78
B.7	Comparison Backpropagation 60%:40% Mandiri Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	79
B.8	Comparison Backpropagation 60%:40% Mandiri Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	80
B.9	Comparison Backpropagation 60%:40% Mandiri Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	81
B.10	Comparison Backpropagation 70%:30% BNI Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	82
B.11	Comparison Backpropagation 70%:30% BNI Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	83
B.12	Comparison Backpropagation 70%:30% BNI Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	84
B.13	Comparison Backpropagation 70%:30% BCA Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	85
B.14	Comparison Backpropagation 70%:30% BCA Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	86
B.15	Comparison Backpropagation 70%:30% BCA Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	87
B.16	Comparison Backpropagation 70%:30% Mandiri Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	88
B.17	Comparison Backpropagation 70%:30% Mandiri Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	89
B.18	Comparison Backpropagation 70%:30% Mandiri Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	90
B.19	Comparison Backpropagation 80%:20% BNI Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	91
B.20	Comparison Backpropagation 80%:20% BNI Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	92
B.21	Comparison Backpropagation 80%:20% BNI Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	93
B.22	Comparison Backpropagation 80%:20% BCA Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	94
B.23	Comparison Backpropagation 80%:20% BCA Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	95
B.24	Comparison Backpropagation 80%:20% BCA Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	96
B.25	Comparison Backpropagation 80%:20% Mandiri Stock 1 months training, testing and prediction with 20 input data as target and prediction (daily)	97
B.26	Comparison Backpropagation 80%:20% Mandiri Stock 1 months training, testing and prediction with 4 input data as target and prediction (weekly)	98
B.27	Comparison Backpropagation 80%:20% Mandiri Stock 1 months training, testing and prediction with 1 input data as target and prediction (monthly)	99