

## DAFTAR ISI

ABSTRAK .....	<b>Error! Bookmark not defined.</b>
ABSTRACT .....	<b>Error! Bookmark not defined.</b>
KATA PENGANTAR .....	<b>Error! Bookmark not defined.</b>
UCAPAN TERIMA KASIH .....	<b>Error! Bookmark not defined.</b>
DAFTAR ISI .....	v
DAFTAR TABEL .....	viii
DAFTAR GAMBAR .....	ix
BAB I PENDAHULUAN .....	<b>Error! Bookmark not defined.</b>
1.1. Latar Belakang .....	<b>Error! Bookmark not defined.</b>
1.2. Rumusan Masalah .....	<b>Error! Bookmark not defined.</b>
1.3. Batasan Masalah .....	<b>Error! Bookmark not defined.</b>
1.4. Tujuan Penelitian .....	<b>Error! Bookmark not defined.</b>
1.5. Manfaat Penelitian .....	<b>Error! Bookmark not defined.</b>
1.6. Sistematika Penulisan .....	<b>Error! Bookmark not defined.</b>
BAB II KAJIAN PUSTAKA .....	<b>Error! Bookmark not defined.</b>
2.1. Foreign Exchange (Forex) .....	<b>Error! Bookmark not defined.</b>
2.1.1. Pengertian Foreign Exchange .....	<b>Error! Bookmark not defined.</b>
2.1.2. Pasar <i>Foreign Exchange (Forex Market)</i> .....	<b>Error! Bookmark not defined.</b>
2.1.3. Prediksi Kurs <i>Foreign Exchange</i> .....	<b>Error! Bookmark not defined.</b>
2.2. Forecasting (Peramalan) .....	<b>Error! Bookmark not defined.</b>
2.2.1. Pengertian Forecasting .....	<b>Error! Bookmark not defined.</b>
2.2.2. Jenis-jenis Peramalan .....	<b>Error! Bookmark not defined.</b>
2.2.3. Langkah-langkah Peramalan .....	<b>Error! Bookmark not defined.</b>
2.2.4. Pengukuran Kesalahan Peramalan .....	<b>Error! Bookmark not defined.</b>

2.3	Jaringan Saraf Tiruan .....	<b>Error! Bookmark not defined.</b>
2.3.1.	Pengertian Jaringan Saraf Tiruan .....	<b>Error! Bookmark not defined.</b>
2.3.2.	Komponen Jaringan Saraf Tiruan .....	<b>Error! Bookmark not defined.</b>
2.3.3.	Arsitektur Jaringan Saraf Tiruan.....	<b>Error! Bookmark not defined.</b>
2.3.4	Fungsi Aktivasi .....	<b>Error! Bookmark not defined.</b>
2.3.5.	Algoritma Pembelajaran.....	<b>Error! Bookmark not defined.</b>
2.4	Radial Basis Function (RBF) .....	<b>Error! Bookmark not defined.</b>
2.4.1.	Pengertian.....	<b>Error! Bookmark not defined.</b>
2.4.2.	Arsitektur Jaringan .....	<b>Error! Bookmark not defined.</b>
2.4.3.	Fungsi Aktivasi Gaussian.....	<b>Error! Bookmark not defined.</b>
2.4.4.	Algoritma Pembelajaran Radial Basis Function	<b>Error! Bookmark not defined.</b>
2.5	Penelitian Sebelumnya .....	<b>Error! Bookmark not defined.</b>
<b>BAB III METODOLOGI PENELITIAN.....</b>		<b>Error! Bookmark not defined.</b>
3.1.	Desain Penelitian .....	<b>Error! Bookmark not defined.</b>
3.2.	Metode Penelitian.....	<b>Error! Bookmark not defined.</b>
3.2.1.	Pengumpulan Data .....	<b>Error! Bookmark not defined.</b>
3.2.2.	Penyelesaian Masalah .....	<b>Error! Bookmark not defined.</b>
3.3.	Alat dan Bahan Penelitian .....	<b>Error! Bookmark not defined.</b>
3.3.1	Alat Penelitian.....	<b>Error! Bookmark not defined.</b>
3.3.2	Bahan Penelitian.....	<b>Error! Bookmark not defined.</b>
<b>BAB IV HASIL PENELITIAN DAN PEMBAHASAN</b>		<b>Error! Bookmark not defined.</b>
4.1	Pengembangan Perangkat Lunak .....	<b>Error! Bookmark not defined.</b>
4.2	Pembahasan Eksperimen .....	<b>Error! Bookmark not defined.</b>
4.3	Eksperimen .....	<b>Error! Bookmark not defined.</b>
4.4	Hasil Eksperimen .....	<b>Error! Bookmark not defined.</b>
4.4.1	Hasil Training.....	<b>Error! Bookmark not defined.</b>

4.4.2	Hasil Testing .....	<b>Error! Bookmark not defined.</b>
4.4.1	Hasil Forecasting.....	<b>Error! Bookmark not defined.</b>
4.5	Pembahasan Hasil Eksperimen.....	<b>Error! Bookmark not defined.</b>
4.5.1	Pembahasan Hasil Training.....	<b>Error! Bookmark not defined.</b>
4.5.2	Pembahasan Hasil Testing .....	<b>Error! Bookmark not defined.</b>
4.5.3	Pembahasan Hasil <i>Forecasting</i> .....	<b>Error! Bookmark not defined.</b>
4.6	Perbandingan Radial Basis Function dengan Backpropagation	<b>Error! Bookmark not defined.</b>
BAB V <u>KESIMPULAN DAN SARAN</u> .....		<b>Error! Bookmark not defined.</b>
5.1	Kesimpulan.....	<b>Error! Bookmark not defined.</b>
5.2	Saran .....	<b>Error! Bookmark not defined.</b>
DAFTAR PUSTAKA .....		<b>Error! Bookmark not defined.</b>
LAMPIRAN .....		<b>Error! Bookmark not defined.</b>

## DAFTAR TABEL

Tabel 2. 1 Contoh Data latih .....	<b>Error! Bookmark not defined.</b>
Tabel 2. 2 Hasil Klustering I.....	<b>Error! Bookmark not defined.</b>
Tabel 2. 3 Hasil Prediksi Periode Harian .....	<b>Error! Bookmark not defined.</b>
Tabel 2. 4 Hasil Prediksi Periode Mingguan .....	<b>Error! Bookmark not defined.</b>
Tabel 2. 5 Hasil Prediksi Periode Bulanan .....	<b>Error! Bookmark not defined.</b>
Tabel 2. 6 Perbandingan RMSE RBFNN dan BPNN pada tahun 2009.....	<b>Error! Bookmark not defined.</b>
Tabel 2. 7 Hasil Testing .....	<b>Error! Bookmark not defined.</b>
Tabel 2. 8 Hasil Testing .....	<b>Error! Bookmark not defined.</b>
Tabel 2. 9 Perbandingan Akurasi Antara RBFNN dan BPNN.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 1 Modul Perangkat Lunak.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 2 Tabel Pengujian.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 3 Hasil <i>training</i> dengan <i>learning rate</i> 0.1 .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 4 Hasil <i>training</i> dengan <i>learning rate</i> 0,4.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 5 Hasil <i>training</i> dengan <i>learning rate</i> 0,8.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 6 Hasil <i>training</i> dengan <i>learning rate</i> 1.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 7 Hasil <i>training</i> dengan 3 <i>hidden node</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 8 Hasil <i>training</i> dengan 7 <i>hidden node</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 9 <i>Training</i> dengan 15 <i>hidden node</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 10 Hasil <i>training</i> dengan 23 <i>hidden node</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 11 Grafik <i>training</i> dengan 50 <i>hidden node</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 12 Tabel Hasil <i>Testing</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 13 <i>Testing</i> AUD/USD .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 14 <i>Testing</i> EUR/JPY .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 15 <i>Testing</i> USD/AD .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 16 <i>Testing</i> USD/CHF .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 17 <i>Testing</i> USD/EUR.....	<b>Error! Bookmark not defined.</b>
Tabel 4. 18 <i>Testing</i> USD/JPY .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 19 Tabel <i>Forecasting</i> .....	<b>Error! Bookmark not defined.</b>
Tabel 4. 20 Perbandingan Hasil Testing Antara RBFNN dan BPNN.....	<b>Error! Bookmark not defined.</b>

## DAFTAR GAMBAR

- Gambar 2. 1 Jaringan Saraf Sederhana .....**Error! Bookmark not defined.**
- Gambar 2. 2 Fungsi Aktivasi : Undak Biner (*Hard Limit*)**Error! Bookmark not defined.**
- Gambar 2. 3 Fungsi Aktivasi : Bipolar (*Symetric Hard Limit*)**Error! Bookmark not defined.**
- Gambar 2. 4 Fungsi Aktivasi Linear .....**Error! Bookmark not defined.**
- Gambar 2. 5 Fungsi Aktivasi : *Saturating Linear*..**Error! Bookmark not defined.**
- Gambar 2. 6 Fungsi Aktivasi : *Symetric Saturating Linear***Error! Bookmark not defined.**
- Gambar 2. 7 Fungsi Aktivasi : *Sigmoid Biner* .....**Error! Bookmark not defined.**
- Gambar 2. 8 Fungsi Aktivasi : *Sigmoid Bipolar* ....**Error! Bookmark not defined.**
- Gambar 2. 9 Arsitektur Radial Basis Function .....**Error! Bookmark not defined.**
- Gambar 3. 1 Desain Penelitian.....**Error! Bookmark not defined.**
- Gambar 4. 1 Tampilan Menu Utama Forexing .....**Error! Bookmark not defined.**
- Gambar 4. 2 *Form Training* .....**Error! Bookmark not defined.**
- Gambar 4. 3 *Form Training Data*.....**Error! Bookmark not defined.**
- Gambar 4. 4 Tampilan hasil proses *Training Data***Error! Bookmark not defined.**
- Gambar 4. 5 *Form Testing Data* .....**Error! Bookmark not defined.**
- Gambar 4. 6 Tampilan hasil *testing* .....**Error! Bookmark not defined.**
- Gambar 4. 7 Tampilan Menu *Forecasting* .....**Error! Bookmark not defined.**
- Gambar 4. 8 Grafik *training* untuk *learning rate* 0,1**Error! Bookmark not defined.**
- Gambar 4. 9 Grafik *training* dengan *learning rate* 0,4**Error! Bookmark not defined.**
- Gambar 4. 10 Grafik *training* dengan *learning rate* 0,8**Error! Bookmark not defined.**
- Gambar 4. 11 Grafik *training* dengan *learning rate* 1**Error! Bookmark not defined.**
- Gambar 4. 12 Grafik *training* dengan 3 *hidden node***Error! Bookmark not defined.**
- Gambar 4. 13 Grafik *training* dengan 7 *hidden node***Error! Bookmark not defined.**
- Gambar 4. 14 Grafik *Training* dengan 15 *hidden nodes***Error! Bookmark not defined.**
- Gambar 4. 15 Grafik *training* dengan 23 *hidden node***Error! Bookmark not defined.**
- Gambar 4. 16 Grafik *training* dengan 50 *hidden node***Error! Bookmark not defined.**
- Gambar 4. 17 Grafik Hasil *Testing* .....**Error! Bookmark not defined.**
- Gambar 4. 18 Grafik *Testing* AUD/USD.....**Error! Bookmark not defined.**
- Gambar 4. 19 Grafik *Testing* EUR/JPY.....**Error! Bookmark not defined.**
- Gambar 4. 20 Grafik *Testing* USD/CAD .....**Error! Bookmark not defined.**

- Gambar 4. 21 Grafik *Testing* USD/CHF.....**Error! Bookmark not defined.**
- Gambar 4. 22 Grafik *Testing* USD/EUR.....**Error! Bookmark not defined.**
- Gambar 4. 23 Grafik *Testing* USD/JPY.....**Error! Bookmark not defined.**
- Gambar 4. 24 Grafik *Forecasting* .....**Error! Bookmark not defined.**