

## DAFTAR ISI

HALAMAN JUDUL .....	i
HALAMAN PENGESAHAN .....	ii
HALAMAN PERSEMBAHAN .....	iii
HALAMAN MOTTO .....	iv
KATA PENGANTAR .....	v
DAFTAR ISI .....	vii
DAFTAR GAMBAR .....	x
 <b>BAB I PENDAHULUAN .....</b>	 <b>1</b>
1.1 Latar Belakang Masalah .....	1
1.2 Tujuan .....	2
1.3 Batasan Masalah .....	2
 <b>BAB II ANALISIS DAN PERANCANGAN .....</b>	 <b>4</b>
2.1 Landasan Teori.....	4
2.1.1 VoIP (Voice over Internet Protocol).....	4
2.1.3 Komponen VoIP.....	6
2.1.3 Protocol Signaling VoIP .....	8
2.2 Identifikasi Kebutuhan.....	15
2.2.1 IPFire core-64 .....	15
2.2.2 TeamSpeak .....	15
2.4 Perancangan Alat .....	17
2.5 Topologi Jaringan .....	18

<b>BAB III IMPLEMENTASI .....</b>	<b>19</b>
3.1 Proses Instalasi .....	19
3.1.1 Instalasi OS IPFire 2.11 .....	19
3.1.2 Instalasi TeamSpeak Server .....	22
3.2 Main menu pada TeamSpeak Server .....	23
3.2.1 Server Specific settings .....	23
3.2.2 Server Permissions.....	24
3.2.3 User Manager.....	24
3.2.4 Log Out .....	24
3.3 Konfigurasi TeamSpeak Sever .....	24
3.3.1 Konfigurasi menambah & membuat User Manager Client .....	24
3.3.2 Konfigurasi menghapus User Manager .....	26
3.4 Fitur TeamSpeak Server Permissions .....	27
3.4.1 Fitur kick Player .....	27
3.4.2 Fitur Send text .....	28
3.5 Konfigurasi Fitur kick Player From Server .....	29
3.5.1 User Registererd .....	29
3.5.2 User Anonymous .....	29
3.6 Konfigurasi Fitur Send text .....	29

3.6.1 User Registered .....	29
3.6.2 User Anonymous .....	30
3.7 Pengujian pada aplikasi TeamSpeak client .....	31
3.7.1 Login Client ke Server .....	31
3.7.2 Fitur Send Text .....	33
3.7.1 Fitur KickPlayer .....	34
<b>BAB IV PENUTUP.....</b>	<b>36</b>
4.1 Kesimpulan .....	36
4.2 Saran .....	36
<b>DAFTAR PUSTAKA .....</b>	<b>37</b>

## DAFTAR GAMBAR

Gambar 2.1 Arsitektur H.323 .....	10
Gambar 2.2 Arsitektur SIP.....	13
Gambar 2.3 Topologi Jaringan .....	18
Gambar 3.1 Modus standby .....	21
Gambar 3.2 Password admin TeamSpeak .....	22
Gambar 3.3 Main Menu TeamSpeak Server .....	23
Gambar 3.4 WEB Server TeamSpeak .....	25
Gambar 3.5 Database Client Administration .....	25
Gambar 3.6 Database Client add .....	26
Gambar 3.7 Pemberitahuan “Operation successfully” .....	26
Gambar 3.8 Sebelum Client dihapus .....	26
Gambar 3.9 Pemberitahuan user yang akan dihapus .....	27
Gambar 3.10 Sesudah dihapus .....	27
Gambar 3.11 Konfigurasi kickPlayer pada user registered .....	29
Gambar 3.12 Konfigurasi kickPlayer pada user anonymous .....	29
Gambar 3.13 Konfigurasi send text pada user registered .....	30
Gambar 3.14 Konfigurasi send text pada user anonymous .....	30
Gambar 3.15 Tampilan Aplikasi TeamSpeak Client .....	31
Gambar 3.16 Mengisi kotak dialog Quick Connect “jibrael” .....	32
Gambar 3.17 Login client sukses .....	32
Gambar 3.18 Sebelum server mengizinkan fitur send text .....	33
Gambar 3.19 Sesudah sever mengizinkan fitur send text .....	33

Gambar 3.20 Sebelum server mengizinkan fitur kick player .....	34
Gambar 3.21 Sesudah server mengizinkan fitur kick player .....	35