

## DAFTAR ISI

<b>LEMBAR PENGESAHAN .....</b>	<b>i</b>
<b>LEMBAR PERNYATAAN ORISINALITAS .....</b>	<b>ii</b>
<b>ABSTRAK .....</b>	<b>iii</b>
<b>ABSTRACT .....</b>	<b>iv</b>
<b>KATA PENGANTAR.....</b>	<b>v</b>
<b>UCAPAN TERIMA KASIH .....</b>	<b>vi</b>
<b>DAFTAR ISI.....</b>	<b>viii</b>
<b>DAFTAR GAMBAR.....</b>	<b>xi</b>
<b>DAFTAR TABEL .....</b>	<b>xii</b>
<b>BAB I PENDAHULUAN.....</b>	<b>1</b>
<b>1.1. Latar Belakang Masalah.....</b>	<b>1</b>
<b>1.2 Rumusan Masalah .....</b>	<b>2</b>
<b>1.3 Tujuan dan Manfaat .....</b>	<b>2</b>
<b>1.4 Batasan Masalah.....</b>	<b>3</b>
<b>1.5 Metode Penelitian .....</b>	<b>3</b>
<b>1.6 Jadwal Pelaksanaan .....</b>	<b>4</b>
<b>BAB II KONSEP DASAR .....</b>	<b>5</b>
<b>2.1 <i>Teleconference</i> .....</b>	<b>5</b>
2.1.1 <i>Audio Conference</i> .....	5
2.1.2 <i>Video Conference</i> .....	6
2.1.3 <i>Web Conference</i> .....	6
<b>2.2 <i>Smart home</i> .....</b>	<b>7</b>
<b>2.3 Codec .....</b>	<b>7</b>
<b>2.4 Jitsi Meet .....</b>	<b>9</b>
<b>2.5 Raspberry Pi .....</b>	<b>10</b>
2.3.1 Raspberry Pi Board .....	10
2.3.2 Blok diagram Raspberry Pi .....	10

2.3.3	Input dan Output Raspberry Pi 3 Board.....	11
<b>2.6</b>	<b>Perintah ‘top’ .....</b>	<b>11</b>
<b>2.7</b>	<b>Wireshark.....</b>	<b>12</b>
<b>2.8</b>	<b>Quality of Service .....</b>	<b>12</b>
2.6.1	<i>Bandwidth</i> .....	12
2.6.2	<i>Throughput</i> .....	12
2.6.3	<i>Jitter</i> .....	13
2.6.4	<i>Packet Loss</i> .....	14
2.6.5	<i>Delay</i> .....	15
<b>BAB III</b>	<b>MODEL SISTEM DAN PERANCANGAN.....</b>	<b>16</b>
<b>3.1</b>	<b>Desain Sistem .....</b>	<b>16</b>
3.1.1	Diagram Blok .....	17
<b>3.2</b>	<b>Desain Perangkat Keras .....</b>	<b>18</b>
3.2.1	Spesifikasi Komponen .....	18
<b>3.3</b>	<b>Parameter Uji .....</b>	<b>20</b>
3.3.1	Fungsi.....	20
3.3.2	Performansi .....	20
<b>3.4</b>	<b>Skenario Uji .....</b>	<b>21</b>
<b>BAB IV</b>	<b>HASIL DAN ANALISIS .....</b>	<b>22</b>
<b>4.1</b>	<b>Hasil Penelitian .....</b>	<b>22</b>
4.1.1	Hasil Perintah ‘TOP’ .....	22
4.1.2	Hasil Pengujian <i>Bandwidth</i> .....	25
4.1.3	Hasil Pencarian <i>Packet Loss</i> .....	26
4.1.4	Hasil Pencarian <i>Throughput</i> .....	27
4.1.5	Hasil Pencarian <i>Jitter</i> .....	27
4.1.6	Hasil Pengujian <i>Delay</i> .....	28

<b>4.2</b>	<b>Analisis .....</b>	<b>28</b>
4.2.1.	Analisis Perintah ‘TOP’ .....	28
4.2.2.	Analisis Nilai Parameter <i>Quality of Service</i> .....	28
<b>BAB V</b>	<b>KESIMPULAN DAN SARAN .....</b>	<b>30</b>
<b>5.1</b>	<b>Kesimpulan .....</b>	<b>30</b>
<b>5.2</b>	<b>Saran.....</b>	<b>30</b>
<b>DAFTAR PUSTAKA .....</b>		<b>31</b>