

## DAFTAR GAMBAR

|   |    |
|---|----|
| Gambar II.1 <i>Three-Tier Architecture Network</i> (Rahman, 2020) ..... | 10 |
| Gambar II.2 WLAN <i>channels</i> di pita 5 GHz (Lepaja dkk., 2019)..... | 11 |
| Gambar II.3 NDLC (Goldman, 2001).....                                   | 21 |
| Gambar III.1 Model Konseptual (Hevner & Chatterje, 2010).....           | 26 |
| Gambar III.2 Sistematika Penyelesaian Masalah.....                      | 27 |
| Gambar IV.1 <i>Three Tier Architecture Network</i> di TULT.....         | 34 |
| Gambar IV.2 RG-AP720-L.....   | 37 |
| Gambar IV.3 RG-AP840-I.....   | 38 |
| Gambar IV.4 RG-AP-130(W2)V2.....  | 40 |
| Gambar IV.5 Jaringan Wi-Fi di Gedung TULT.....                          | 41 |
| Gambar IV.6 Penempatan <i>Access Point</i> WLAN Lantai 8 .....          | 42 |
| Gambar IV.7 Penempatan <i>Access Point</i> WLAN Lantai 9 .....          | 43 |
| Gambar IV.8 Penempatan <i>Access Point</i> WLAN Lantai 10 .....         | 44 |
| Gambar IV.9 Penempatan <i>Access Point</i> WLAN Lantai 11 .....         | 45 |
| Gambar IV.10 Penempatan <i>Access Point</i> WLAN Lantai 12 .....        | 46 |
| Gambar IV.11 Penempatan <i>Access Point</i> WLAN Lantai 13 .....        | 47 |
| Gambar IV.12 Penempatan <i>Access Point</i> WLAN Lantai 14 .....        | 48 |
| Gambar IV.13 Penempatan <i>Access Point</i> WLAN Lantai 15 .....        | 49 |
| Gambar IV.14 Pemetaan Warna <i>Signal Strength</i> .....                | 50 |
| Gambar IV.15 Pemetaan <i>Signal Strength</i> WLAN Lantai 8.....         | 51 |
| Gambar IV.16 Pemetaan <i>Signal Strength</i> WLAN Lantai 9 .....        | 52 |
| Gambar IV.17 Pemetaan <i>Signal Strength</i> WLAN Lantai 10 .....       | 54 |
| Gambar IV.18 Pemetaan <i>Signal Strength</i> WLAN Lantai 11 .....       | 55 |
| Gambar IV.19 Pemetaan <i>Signal Strength</i> WLAN Lantai 12 .....       | 56 |
| Gambar IV.20 Pemetaan <i>Signal Strength</i> WLAN Lantai 13 .....       | 58 |
| Gambar IV.21 Pemetaan <i>Signal Strength</i> WLAN Lantai 14 .....       | 59 |
| Gambar IV.22 Pemetaan <i>Signal Strength</i> WLAN Lantai 15 .....       | 60 |
| Gambar IV.23 Pemetaan Warna <i>Channel Interference</i> .....           | 62 |
| Gambar IV.24 Pemetaan <i>Channel Interference</i> WLAN Lantai 8.....    | 62 |

|  |    |
|--|----|
| Gambar IV.25 Pemetaan <i>Channel Interference</i> WLAN Lantai 9.....         | 63 |
| Gambar IV.26 Pemetaan <i>Channel Interference</i> WLAN Lantai 10.....        | 64 |
| Gambar IV.27 Pemetaan <i>Channel Interference</i> WLAN Lantai 11.....        | 65 |
| Gambar IV.28 Pemetaan <i>Channel Interference</i> WLAN Lantai 12.....        | 66 |
| Gambar IV.29 Pemetaan <i>Channel Interference</i> WLAN Lantai 13.....        | 67 |
| Gambar IV.30 Pemetaan <i>Channel Interference</i> WLAN Lantai 14.....        | 68 |
| Gambar IV.31 Pemetaan <i>Channel Interference</i> WLAN Lantai 15.....        | 69 |
| Gambar IV.32 Skenario Pengujian QoS .....                                    | 70 |
| Gambar V.1 <i>Channel Interference Analysis of 5 GHz</i> WLAN.....           | 73 |
| Gambar V.2 Hasil Pengujian Wireshark Lantai 8.....                           | 76 |
| Gambar V.3 Hasil Pengujian Wireshark Lantai 9.....                           | 77 |
| Gambar V.4 Hasil Pengujian Wireshark Lantai 10.....                          | 78 |
| Gambar V.5 Hasil Pengujian Wireshark Lantai 11.....                          | 79 |
| Gambar V.6 Hasil Pengujian Wireshark Lantai 12.....                          | 80 |
| Gambar V.7 Hasil Pengujian Wireshark Lantai 13.....                          | 81 |
| Gambar V.8 Hasil Pengujian Wireshark Lantai 14.....                          | 83 |
| Gambar V.9 Hasil Pengujian Wireshark Lantai 15.....                          | 84 |
| Gambar V.10 Rekomendasi Pembagian <i>Channel</i> di Lantai 8.....            | 88 |
| Gambar V.11 Rekomendasi Pembagian <i>Channel</i> .....                       | 89 |
| Gambar V.12 <i>Before and After Channel Interference</i> di Lantai 8.....    | 90 |
| Gambar V.13 <i>Before and After Channel Interference</i> di Lantai 9-15..... | 91 |
| Gambar V.14 <i>Before and After Signal Strength</i> di Lantai 8 .....        | 92 |
| Gambar V.15 <i>Before and After Signal Strength</i> di Lantai 9-15 .....     | 93 |