**LOG BOOK**

**KERJA PRAKTEK (KP)**



**Judul : Sistem Manajemen Bandwith Menggunakan Mikrotik Router pada Dinas Perpustakaan dan Kearsipan**

**Nama : Adinda Zilly Arsyika**

**NIM : 1507123667**

**Pembimbing Lapangan : Joko Nugroho**

**Dosen Pembimbing : Linna Oktaviana, ST,.MT**

**PROGRAM STUDI TEKNIK INFORMATIKA**

**JURUSAN TEKNIK ELEKTRO**

**UNIVERSITAS RIAU**

**2018**

**DATA - DATA KERJA PRAKTEK**

**Detail Perusahaan:**

Nama : Dinas Perpustakaan dan Kearsipan Provinsi Riau

Alamat : Jl. Jend. Sudirman No.462

No. Telp/Fax : (0761) 26613

Divisi/Departemen : Seksi Otomasi, Preservasi, Kerjasama dan Jaringan Perpustakaan

Nama Pembimbing : Joko Nugroho

**Detail Tugas/Projek**

Judul : Sistem Manajemen Bandwith Menggunakan Mikrotik Router pada Dinas Perpustakaan dan Kearsipan

Objektif :

* Membangun jaringan serta mengkonfigurasikannya
* Menganalisa permasalahan jaringan serta memperbaikinya
* Mengetahui cara penginputan data anggota baru dan buku baru kedalam database Inlislite
* Cara konfigurasi mikrotik pada server

**Hasil yang diharapkan :**

Periode : 15 Januari 2018 – 15 Februari 2018

Mengetahui,

Pembimbing Lapangan

JOKO NUGROHO

NIP. 196608031992031010

**ABSENSI LOGBOOK**

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| **MINGGU KE 1** | | **TTD PEMBIMBING** |
| **HARI** | **TANGGAL** |
| Senin | 15 Januari 2018 |  |
| Selasa | 16 Januari 2018 |  |
| Rabu | 17 Januari 2018 |  |
| Kamis | 18 Januari 2018 |  |
| Jumat | 19 Januari 2018 |  |
|  | | |
| **MINGGU KE 2** | | **TTD PEMBIMBING** |
| **HARI** | **TANGGAL** |
| Senin | 22 Januari 2018 |  |
| Selasa | 23 Januari 2018 |  |
| Rabu | 24 Januari 2018 |  |
| Kamis | 25 Januari 2018 |  |
| Jumat | 26 Januari 2018 |  |
| Sabtu | 27 Januari 2018 |  |
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| **MINGGU KE 3** | | **TTD PEMBIMBING** |
| **HARI** | **TANGGAL** |
| Senin | 29 Januari 2018 |  |
| Selasa | 30 Januari 2018 |  |
| Rabu | 31 Januari 2018 |  |
| Kamis | 1 Februari 2018 |  |
| Jumat | 2 Februari 2018 |  |
|  | | |
| **MINGGU KE 4** | | **TTD PEMBIMBING** |
| **HARI** | **TANGGAL** |
| Senin | 5 Februari 2018 |  |
| Selasa | 6 Februari 2018 |  |
| Rabu | 7 Februari 2018 |  |
| Kamis | 8 Februari 2018 |  |
| Jumat | 9 Februari 2018 |  |

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| **MINGGU KE 5** | | **TTD PEMBIMBING** |
| **HARI** | **TANGGAL** |
| Senin | 12 Februari 2018 |  |
| Selasa | 13 Februari 2018 |  |
| Rabu | 14 Februari 2018 |  |
| Kamis | 15 Februari 2018 |  |
| Jumat | 16 Februari 2018 |  |

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| **GRANT CHART KEGIATAN KERJA PRAKTEK** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |  | | |
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| **AKTIFITAS** | | HARI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | 31 | | | 32 | | |
| 1. | Pengenalan Ruang Lingkup Perpustakaan Soeman HS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | | |  | | |
| 2. | Diskusi dan Sharing Antara Mahasiswa KP dengan Karyawan Perpustakaan Soeman HS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | | |  | | |
| 3. | Pengenalan Sistem yang Digunakan Perpustakaan Soeman HS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | | |  | | |
| 4. | Mempelajari dan Menganalasis System-System yang Digunakan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | | |  | | |
| 5. | Penginstalan Ulang Komputer e-kios di Lantai 1, 2, 3, 4 dan 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | | |  | | |

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| **AKTIFITAS** | | | | HARI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 6. | | Menganalisa Topologi Jaringan yang Ada | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7. | | Pembuatan Kabel UTP | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8. | | Penginstalasian Jaringan Komputer | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | | Konfigurasi IP pada Komputer e-kios di Lantai 1, 2, 3, 4 dan 5 | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10. | | Menganalisa serta Memperbaiki Jaringan yang Tidak Terkoneksi Internet | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11. | | Pengecekan Jaringan pada e-Kios dan Komputer Karyawan | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12. | | Pengenalan Sistem Database Inlislite | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **AKTIFITAS** | | | HARI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 13. | | Menginputkan Data Buku ke Database |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14. | | Menginput data anggota baru ke database |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15. | | Maintenance Database Server |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16. | | Pengenalan Mikrotik |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17. | | Instalasi Mikrotik dan Pengkonfigurasian Mikrotik |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**PROJECT PROGRES**

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| **DISKUSI** | **Komentar Dari Pembimbing Lapangan Dan Tugas Berikutnya** |
| Mengenai masalah pada jaringan komputer karyawan sering terjadinya disconnect, yang mana hal tersebut dikarenakan kesalahan sederhana seperti kabel LAN nya yang tersenggol dan komputer karyawan belum menggunakan IP Dinamic sehingga sering terjadinya petugas IT apabila ada suatu kondisi seperti mati lampu atau komputer restart sendiri. Dan mengatasi bandwidth yang banyak terpakai oleh penggunaan youtube sehingga jaringan menjadi lambat.  Memberi saran untuk menggunakan DHCP Server agar terjadinya otomatis pemberian IP ke komputer karyawan, sehingga terjadinya efesiensi kerja baik itu komputer karyawan maupun petugas IT nya. |  |
| **PENGESAHAN PEMBIMBING** |
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**PENILAIAN MINGGUAN PEMBIMBINGAN LAPANGAN**

**Petunjuk bagi dosen pembimbing.**

Penilaian mingguan mahasiswa berdasarkan aktifitas hariannya.

Mohon di ceklis pada kotak yang sesuai.

Skala:

1. Sangat tidak baik 2. Tidak baik 3. Cukup 4. Baik 5. Sangat baik

Tanda Tangan Pembimbing :

Hari/Tanggal :

Komentar :

c,