



|   |  |           |
|---|--|-----------|
| 2.3.2.1                                       | Input Sistem Material Requirements Planning (MRP)                        | 20        |
| 2.3.2.2                                       | Tahapan dalam Penyusunan <i>Material Requirements Planning</i> (MRP)     | 20        |
| 2.3.2.3                                       | Istilah-istilah dalam Sistem <i>Material Requirements Planning</i> (MRP) | 21        |
| 2.3.3   | Teknik Penentuan Ukuran Lot  | 22        |
| 2.3.4   | <i>Capacity Requirement Planning</i> (CRP)                               | 23        |
| 2.4   | Gap Penelitian   | 24        |
| <b>BAB III METODE PENELITIAN</b>              |  | <b>28</b> |
| 3.1   | Flowchart Penelitian   | 28        |
| 3.2   | Survey Objek Penelitian  | 29        |
| 3.3   | Identifikasi Masalah   | 29        |
| 3.4   | Perumusan Masalah  | 30        |
| 3.4.1   | Studi Lapangan   | 30        |
| 3.4.2   | Studi Literatur  | 30        |
| 3.5   | Pengumpulan Data   | 30        |
| 3.6   | Pengolahan Data  | 31        |
| 3.7   | Analisis Hasil   | 32        |
| 3.8   | Kesimpulan dan Saran   | 32        |
| <b>BAB IV PENGUMPULAN DAN PENGOLAHAN DATA</b> |  | <b>33</b> |
| 4.1   | Profil Objek Penelitian  | 33        |
| 4.2   | Pengumpulan Data   | 33        |
| 4.2.1   | Alur Proses Produksi   | 33        |
| 4.2.2   | Data Historis Permintaan   | 34        |
| 4.2.3   | Data <i>Bill Of Material</i> (BOM)                                       | 36        |
| 4.2.4   | Data Waktu Proses  | 36        |
| 4.2.5   | <i>Set up Time</i>   | 41        |
| 4.2.6   | Data Jumlah Mesin  | 43        |
| 4.2.7   | Data Jumlah Jam dan Hari Kerja   | 44        |
| 4.2.8   | Data Jam Kerja Aktual  | 44        |
| 4.3   | Pengolahan Data  | 45        |
| 4.3.1   | Perhitungan Peramalan Data Historis Permintaan Sandal Hotel              | 45        |
| 4.3.2   | <i>Master Production Schedule</i> (MPS)                                  | 50        |



|   |            |
|---|------------|
| 4.3.3 Perhitungan <i>Rough Cut Capacity Planning</i> (RCCP) .....   | 54         |
| 4.3.4 Perhitungan <i>Safety Stock</i> (SS) .....                    | 56         |
| 4.3.5 Perhitungan <i>Material Requirement Planning</i> (MRP) .....  | 59         |
| 4.3.6 Perhitungan <i>Capacity Requirement Planning</i> (CRP) .....  | 62         |
| <b>BAB V ANALISIS HASIL DAN PEMBAHASAN .....</b>                    | <b>67</b>  |
| 5.1 Analisis Hasil Peramalan Permintaan .....                       | 67         |
| 5.2 Analisis Hasil Perhitungan MPS dan RCCP .....                   | 68         |
| 5.3 Analisis Hasil Perhitungan <i>Safety Stock</i> (SS).....        | 70         |
| 5.4 Analisis Hasil <i>Material Requirement Planning</i> (MRP) ..... | 71         |
| 5.5 Analisis Hasil <i>Capacity Requirement Planning</i> (CRP).....  | 71         |
| <b>BAB VI KESIMPULAN DAN SARAN.....</b>                             | <b>73</b>  |
| 6.1 Kesimpulan.....   | 73         |
| 6.2 Saran .....   | 73         |
| <b>DAFTAR PUSTAKA.....</b>  | <b>74</b>  |
| <b>LAMPIRAN.....</b>  | <b>78</b>  |
| <b>BIODATA PENULIS.....</b>   | <b>106</b> |

