**Kegiatan 1**

|  |  |  |
| --- | --- | --- |
| **PROJECT CHARTER** | | |
| Judul Proyek | : | Digitalisasi Kantek melalui e-Kantek |
| Tanggal Mulai Proyek | : | 8 Maret 2023 |
| Tanggal Akhir Proyek | : | 10 Mei 2023 |
| Informasi Anggaran | : | Rp343.000,00 |
| Manajer Proyek | : | Elang Safamoza Ramadhan |

|  |  |
| --- | --- |
| **Tujuan Proyek:** | |
| Melakukan digitalisasi pada kantin teknik UMM.  **Fungsi sistem informasi yang akan dibuat:**  Mempermudah metode pembayaran serta pencatatan keuangan pada kasir kantin teknik UMM dan juga untuk meminimalisir antrean.  **Peranan Tanggung Jawab:** Project Manager | |
| Dengan tujuan untuk melakukan digitalisasi pada kantin teknik UMM, kami menciptakan e-Kantek. Proyek akan dimulai pada 8 Maret 2023 hingga 10 Mei 2023 dengan anggaran sebesar Rp343.000,00 (Terbilang Tiga Ratus Empat Puluh Tiga Ribu Rupiah). | |
| Manajer | Owner |
| ttd | ttd |
| Elang Safamoza Ramadhan | \*nama owner |

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Case : Digitalisasi Kantin Teknik UMM** | | | |
| **Anggaran** | | | |
| **Job Desk** | **Duration (Day)** | **Total Person** | **Total Cost** |
| Planning : | 14 |  |  |
| * Plan Schedule | 7 | 2 | 14.000,00 |
| * Plan Resources | 7 | 2 | 14.000,00 |
| Design : | 28 |  |  |
| * Design Prototype | 14 | 3 | 42.000,00 |
| * Design Project | 14 | 3 | 42.000,00 |
| Implementation : | 14 |  |  |
| * Plan Implementation Project | 7 | 2 | 14.000,00 |
| * Develop Project by Directing Team Members | 7 | 1 | 7.000,00 |
| Testing : | 14 |  |  |
| * Testing Prototype | 7 | 3 | 42.000,00 |
| * Testing Project | 7 | 5 | 70.000,00 |
| Deployment | 28 |  |  |
| * Develop Prototype | 14 | 2 | 28.000,00 |
| * Develop Project | 14 | 5 | 70.000,00 |
| **Total Cost** | | | 343.000,00 |

**Kegiatan 2**

**Perhitungan COCOMO**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Organic | Semi Detached | Embedded |  |
| a | 2,4 | 3 | 3,6 |  |
| b | 1,05 | 1,12 | 1,2 |  |
| c | 2,5 | 2,5 | 2,5 |  |
| d | 0,38 | 0,35 | 0,32 |  |
|  |  |  |  |  |
| Kloc | 1,5 |  |  |  |
|  |  |  |  |  |
| E | 3,673728553 | 4,724365233 | 5,856147564 |  |
| D | 4,099026187 | 4,304871788 | 4,401248118 | Bulan |
| P | 0,896244226 | 1,097446211 | 1,330565196 | Orang |
|  | Digenapkan ke dalam 2,5 bulan dengan pekerja 3 orang | Digenapkan ke dalam 2 bulan dengan pekerja 2 orang | Digenapkan ke dalam 2 bulan dengan pekerja 3 orang |  |

**Bottom-Up**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Work Breakdown Structure** | **Resource (pax)** | **Duration** | **Costs** | **Cost Rate per man-day** |
| **Project Management** | **28** | **98** | **343.000,00** | |
| **Planning :** | **4** | **14** | **28.000,00** | |
| Plan Schedule | 2 | 7 | 14.000,00 | 2.000,00 |
| Plan Resources | 2 | 7 | 14.000,00 | 2.000,00 |
| **Design :** | **6** | **28** | **84.000,00** | |
| Design Prototype | 3 | 14 | 42.000,00 | 3.000,00 |
| Design Project | 3 | 14 | 42.000,00 | 3.000,00 |
| **Implementation :** | **3** | **14** | **21.000,00** | |
| Plan Implementation Project | 2 | 7 | 14.000,00 | 2.000,00 |
| Develop Project by Directing Team Members | 1 | 7 | 7.000,00 | 1.000,00 |
| **Testing :** | **5** | **14** | **112.000,00** | |
| Testing Prototype | 3 | 7 | 42.000,00 | 6.000,00 |
| Testing Project | 5 | 7 | 70.000,00 | 10.000,00 |
| **Deployment :** | **5** | **28** | **98.000,00** | |
| Develop Prototype | 2 | 14 | 28.000,00 | 2.000,00 |
| Develop Project | 5 | 14 | 70.000,00 | 5.000,00 |