**Cost Estimation Methode ABC (Activity Based Costing) Global.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Ref** | **Project Expenditures** |  |  |  | **IDR** | **IDR** |  |
| **1. 0** | **Analisa Kebutuhan** |  |  |  |  |  |  |
| 1. 1 | Menentukan Kebutuhan Pengguna | 40000 | 3 | Hari | 120000 |  |  |
| 1. 2 | Menentukan Kebutuhan Fungsional | 25000 | 2 | Hari | 50000 |  |  |
| 1. 3 | Menentukan Kebutuhan Non-Fungsional | 25000 | 1 | Hari | 25000 |  | + |
|  | Total |  |  |  |  | 195000 |  |
| **2. 0** | **Pembuatan SKPL Versi 1.0** | 80000 | 1 | Unit |  | 80000 |  |
| **3. 0** | **Menyewa Hosting** | 500000 | 1 | Unit |  | 500000 |  |
|  |  |  |  |  |  |  |  |
| **4. 0** | **Pengembangan Aplikasi** |  |  |  |  |  |  |
| 4. 1 | Pengembangan Back-End | 25000 | 26 | Hari | 650000 |  |  |
| 4. 2 | Pengembangan Front-End | 25000 | 26 | Hari | 650000 |  |  |
| 4. 3 | Testing Aplikasi: User Acceptance | 40000 | 3 | Hari | 120000 |  |  |
| 4. 4 | Lisensi Software | 1000000 | 1 | Unit | 1000000 |  | + |
|  | Total |  |  |  |  | 2420000 |  |
| **5. 0** | **Support** |  |  |  |  |  |  |
| 5. 1 | User Manual | 20000 | 1 | Unit | 20000 |  |  |
| 5. 2 | Training User | 60000 | 4 | Hari | 240000 |  | + |
|  | Total |  |  |  |  | 260000 |  |
|  |  |  |  |  |  |  |  |
| 6. 0 | Rapat dan Koordinasi |  |  |  |  |  |  |
| 6.1.1 | Rapat Koordinasi Penentuan Job |  | 1 | hari | 60000 |  |  |
| 6.1.2 | Rapat Koordinasi Fungsi Utama Program |  | 1 | hari | 60000 |  |  |
| 6.1.3 | Rapat Koordinasi Penjelasan SKPL dan start |  | 1 | hari | 60000 |  |  |
|  | pembuatan program |  |  |  |  |  |  |
| 6.1.4 | Rapat Koordinasi Progress Program |  | 1 | hari | 60000 |  |  |
| 6.1.5 | Rapat Koordinasi Final |  | 1 | hari | 60000 |  |  |
| 6. 2 | Rapat Rutin | 60000 | 3 | Hari | 180000 |  | + |
|  | Total |  |  |  |  | 480000 |  |
|  |  |  |  |  |  |  |  |
| 7. 0 | Gaji Anggota |  |  |  |  |  |  |
| 7. 1 | Joshua Kevin Rachmadi | 13000 | 60 | Hari | 780000 |  |  |
| 7. 2 | Arfian Fidiantoro | 13000 | 60 | Hari | 780000 |  |  |
| 7. 3 | Yoga Bayu Aji Pranawa | 13000 | 60 |  | 780000 |  |  |
| 7. 4 | Afif Ishamsyah | 13000 | 60 |  | 780000 |  |  |
| 7. 5 | Rigold | 13000 | 60 |  | 780000 |  |  |
| 7. 6 | Kartika Dewi | 13000 | 60 |  | 780000 |  | + |
|  | Total |  |  |  |  | 4680000 |  |
|  | Biaya Lain-lain |  |  |  |  | 300000 |  |
|  |  |  |  |  |  |  | + |
|  | TOTAL Final |  |  |  |  | 8915000 |  |

**Cost Estimation Methode ABC (Activity Based Costing) Detail.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Rate Rupiah per | Quantity |  |  |  |  |
|  |  | Unit/Day | Unit/Hari |  |  | **Total** |  |
| **Ref** | **Project Expenditures** |  |  |  | **IDR** | **IDR** |  |
| **1. 0** | **Analisa Kebutuhan** |  |  |  |  |  |  |
| 1. 1 | Menentukan Kebutuhan Pengguna | 40000 | 3 | Hari |  | 120000 |  |
| **1.1.1** | Brainstorming bersama User |  |  |  | 60000 |  |  |
| **1.1.2** | Konsultasi ke Dosen Pembimbing |  |  |  | 60000 |  |  |
| **1.1.3** | Brainstorming bersama Team |  |  |  | 30000 |  |  |
| 1. 2 | Menentukan Kebutuhan Fungsional | 25000 | 2 | Hari |  | 50000 |  |
| **1.2.1** | Brainstorming bersama User |  |  |  | 20000 |  |  |
| **1.2.2** | Konsultasi ke Dosen Pembimbing |  |  |  | 20000 |  |  |
| **1.2.3** | Brainstorming bersama Team |  |  |  | 10000 |  |  |
| 1. 3 | Menentukan Kebutuhan Non-Fungsional | 25000 | 1 | Hari |  | 25000 |  |
| **1.3.1** | Brainstorming bersama User |  |  |  | 20000 |  |  |
| **1.3.2** | Konsultasi ke Dosen Pembimbing |  |  |  | 20000 |  |  |
| **1.3.3** | Brainstorming bersama Team |  |  |  | 10000 |  | + |
|  | Total |  |  |  |  | 195000 |  |
|  |  |  |  |  |  |  |  |
| **2. 0** | **Pembuatan SKPL Versi 1.0** | 80000 | 1 | Unit |  | 80000 |  |
| 2.1 | **Pembuatan SKPL Bab 1 & 2** |  |  |  | 20000 |  |  |
| 2.2 | **Pembuatan SKPL Bab 3** |  |  |  | 20000 |  |  |
| 2.3 | **Pembuatan Diagram** |  |  |  | 40000 |  |  |
|  |  |  |  |  |  |  |  |
| **3.0** | **Menyewa Hosting** | 500000 | 1 | Unit |  | 500000 |  |
|  |  |  |  |  |  |  |  |
| 4.0 | **Pengembangan Aplikasi** |  |  |  |  |  |  |
| 4.1 | Pengembangan Back-End | 25000 | 26 | Hari |  | 650000 |  |
| **4.1.1** | Page Login Logout |  |  |  | 100000 |  |  |
| 4.1.2 | Page Profil User |  |  |  | 100000 |  |  |
| 4.1.3 | Page Register |  |  |  | 100000 |  |  |
| 4.1.4 | Page Edit Barang |  |  |  | 100000 |  |  |
| 4.1.5 | Page Lihat Barang |  |  |  | 100000 |  |  |
| 4.1.6 | Home Page |  |  |  | 150000 |  |  |
| 4.2 | Pengembangan Front-End | 25000 | 26 | Hari |  | 650000 |  |
| 4.2.1 | Page Login Logout |  |  |  | 100000 |  |  |
| 4.2.2 | Page Profil User |  |  |  | 100000 |  |  |
| 4.2.3 | Page Register |  |  |  | 100000 |  |  |
| 4.2.4 | Page Edit Barang |  |  |  | 100000 |  |  |
| 4.2.5 | Page Lihat Barang |  |  |  | 100000 |  |  |
| 4.2.6 | Home Page |  |  |  | 150000 |  |  |
| 4.2.7 | Testing Aplikasi: User Acceptance | 40000 | 3 | Hari |  | 120000 |  |
| 4.2.8 | Lisensi Software | 1000000 | 1 | Unit |  | 1000000 | + |
|  | Total |  |  |  |  | 2420000 |  |
|  |  |  |  |  |  |  |  |
| 5.0 | **Support** |  |  |  |  |  |  |
| 5.1 | User Manual | 20000 | 1 | Unit |  | 20000 |  |
| 5.2 | Training User | 60000 | 4 | Hari |  | 240000 | + |
|  | Total |  |  |  |  | 260000 |  |
|  |  |  |  |  |  |  |  |
| 6.0 | Rapat dan Koordinasi |  |  |  |  |  |  |
| 6.1 | Rapat Koordinasi | 60000 | 5 | hari |  | 300000 |  |
| 6.1.1 | Rapat Koordinasi Penentuan Job |  | 1 | hari | 60000 |  |  |
| 6.1.2 | Rapat Koordinasi Fungsi Utama Program |  | 1 | hari | 60000 |  |  |
| 6.1.3 | Rapat Koordinasi Penjelasan SKPL dan start |  | 1 | hari | 60000 |  |  |
| 6.1.4 | pembuatan program |  |  |  |  |  |  |
| 6.1.5 | Rapat Koordinasi Progress Program |  | 1 | hari | 60000 |  |  |
| 6.1.6 | Rapat Koordinasi Final |  | 1 | hari | 60000 |  |  |
| 6.2 | Rapat Rutin | 60000 | 3 | Hari |  | 180000 |  |
| 6.2.1 | Rapat Rutin 18-03-2016 |  | 1 | hari | 60000 |  |  |
| 6.2.2 | Rapat Rutin 01-04-2016 |  | 1 | hari | 60000 |  |  |
| 6.2.3 | Rapat Rutin 15-04-2016 |  | 1 | hari | 60000 |  | + |
|  | Total |  |  |  |  | 480000 |  |
|  |  |  |  |  |  |  |  |
| 7.0 | Gaji Anggota |  |  |  |  |  |  |
| 7.1 | Joshua Kevin Rachmadi | 13000 | 60 | Hari | 780000 |  |  |
| 7.2 | Arfian Fidiantoro | 13000 | 60 | Hari | 780000 |  |  |
| 7.3 | Yoga Bayu Aji Pranawa | 13000 | 60 |  | 780000 |  |  |
| 7.4 | Afif Ishamsyah | 13000 | 60 |  | 780000 |  |  |
| 7.5 | Rigold | 13000 | 60 |  | 780000 |  |  |
| 7.6 | Kartika Dewi | 13000 | 60 |  | 780000 |  | + |
| 7.7 | Total |  |  |  |  | 4680000 |  |
| 8.0 | Biaya Lain-lain |  |  |  |  | 300000 |  |
|  |  |  |  |  |  |  | + |
|  | TOTAL Final |  |  |  |  | 8915000 |  |

**Cost Estimation Methode PERT Global.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Year : 2016** | **Optimistic** | **Likely** | **Pessimistic** |  |  |  |  |
|  |  | Harga IDR per | Harga IDR per | Harga IDR per | Jumlah | |  |  |
|  |  | Unit/Hari | Unit/Hari | Unit/Hari | Units/Hari | |  | **Total** |
| **Ref** | **Project Expenditures** |  |  |  |  |  | **IDR** | **Idr** |
| **1** | **Analisa Kebutuhan** |  |  |  |  |  |  |  |
| 1,1 | Menentukan kebutuhan User | 30000 | 40000 | 50000 | 3 | Hari | 120000 |  |
| 1,2 | Menentukan kebutuhan fungsional | 20000 | 25000 | 30000 | 2 | Hari | 50000 |  |
| 1,3 | Menentukan kebutuhan non-fungsional | 20000 | 25000 | 30000 | 1 | Hari | 25000 |  |
|  | Sub total |  |  |  |  |  |  | 195000 |
|  |  |  |  |  |  |  |  |  |
| **2** | **SKPL** |  |  |  |  |  |  |  |
| 2,1 | Perancangan SKPL | 80000 | 100000 | 150000 | 10 | Hari | 1050000 |  |
| 2,2 | Pencetakan SKPL | 30000 | 40000 | 50000 | 1 | Unit | 40000 |  |
|  | Sub total |  |  |  |  |  |  | 1090000 |
|  |  |  |  |  |  |  |  |  |
| **3** | **Menyewa Hosting** | 8000 | 8500 | 10000 | 60 | Hari | 520000 |  |
|  | Sub total |  |  |  |  |  |  | 520000 |
|  |  |  |  |  |  |  |  |  |
| **4** | **Pengembangan Aplikasi** |  |  |  |  |  |  |  |
| 4,1 | Pengembangan Front-End | 30000 | 35000 | 40000 | 60 | Hari | 2100000 |  |
| 4,2 | Pengembangan Back-End | 30000 | 35000 | 40000 | 60 | Hari | 2100000 |  |
| 4,3 | Lisensi Software | 900000 | 1000000 | 1500000 | 1 | Unit | 1066666,667 |  |
| 4,4 | Testing | 20000 | 25000 | 30000 | 7 | Hari | 175000 |  |
|  | Sub total |  |  |  |  |  |  | 5441666,667 |
|  |  |  |  |  |  |  |  |  |
| **5** | **Support** |  |  |  |  |  |  |  |
| **5,1** | **User Manual** |  |  |  |  |  |  |  |
| 5.1.1 | Perancangan User Manual | 10000 | 15000 | 20000 | 7 | Hari | 105000 |  |
| 5.1.2 | Pencetakan User Manual | 7000 | 10000 | 12000 | 15 | Unit | 147500 |  |
| 5,2 | Training User | 45000 | 60000 | 75000 | 4 | Hari | 240000 |  |
|  | Sub total |  |  |  |  |  |  | 492500 |
|  |  |  |  |  |  |  |  |  |
| **6** | **Rapat** |  |  |  |  |  |  |  |
| **6,1** | **Rapat Koordinasi** |  |  |  |  |  |  |  |
| 6.1.1 | Rapat koordinasi penentuan job | 50000 | 60000 | 75000 | 1 | Hari | 60833,33333 |  |
| 6.1.2 | Rapat koordinasi fungsi utama program | 50000 | 60000 | 75000 | 1 | Hari | 60833,33333 |  |
| 6.1.3 | Rapat koodinasi penjelasan SKPL dan start pembuatan program | 50000 | 60000 | 75000 | 1 | Hari | 60833,33333 |  |
| 6.1.4 | Rapat koordinasi progress program (back-end dan front-end) | 50000 | 60000 | 75000 | 1 | Hari | 60833,33333 |  |
| 6.1.5 | Rapat koordinasi final | 50000 | 60000 | 75000 | 1 | Hari | 60833,33333 |  |
| **6,2** | **Rapat Rutin** | 45000 | 60000 | 70000 | 3 | Hari | 177500 |  |
|  | Sub total |  |  |  |  |  |  | 481666,6667 |
|  |  |  |  |  |  |  |  |  |
|  | **Project cost calculations** |  |  |  |  |  |  |  |
|  | Total project cost |  |  |  |  |  |  | 8220833,333 |

**Cost Estimation Methode PERT Detail.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Year : 2016** | **Optimistic** | **Likely** | **Pessimistic** |  |  |  |  |
|  |  | Harga IDR per | Harga IDR per | Harga IDR per | Jumlah | |  |  |
|  |  | Unit/Hari | Unit/Hari | Unit/Hari | Units/Hari | |  | **Total** |
| **Ref** | **Project Expenditures** |  |  |  |  |  | **IDR** | **Idr** |
| **1** | **Analisa Kebutuhan** |  |  |  |  |  |  |  |
| 1.1 | Menentukan kebutuhan User | 30000 | 40000 | 50000 | 3 | Hari |  | 120000 |
| 1.1.1 | Brainstorming bersama User | 35000 | 50000 | 60000 |  |  |  |  |
| 1.1.2 | Konsultasi ke Dosen Pembimbing | 35000 | 50000 | 60000 |  |  |  |  |
| 1.1.3 | Brainstorming bersama Team | 20000 | 20000 | 30000 |  |  |  |  |
| 1.2 | Menentukan kebutuhan fungsional | 20000 | 25000 | 30000 | 2 | Hari |  | 50000 |
| 1.2.1 | Brainstorming bersama User | 15000 | 19000 | 22500 |  |  |  |  |
| 1.2.2 | Konsultasi ke Dosen Pembimbing | 15000 | 19000 | 22500 |  |  |  |  |
| 1.2.3 | Brainstorming bersama Team | 10000 | 12000 | 15000 |  |  |  |  |
| 1.3 | Menentukan kebutuhan non-fungsional | 20000 | 25000 | 30000 | 1 | Hari |  | 25000 |
| 1.3.1 | Brainstorming bersama User | 15000 | 19000 | 22500 |  |  |  |  |
| 1.3.2 | Konsultasi ke Dosen Pembimbing | 15000 | 19000 | 22500 |  |  |  |  |
| 1.3.3 | Brainstorming bersama Team | 10000 | 12000 | 15000 |  |  |  |  |
|  | Sub total |  |  |  |  |  |  | 195000 |
|  |  |  |  |  |  |  |  |  |
| **2** | **SKPL** |  |  |  |  |  |  |  |
| 2.1 | Perancangan SKPL | 80000 | 100000 | 150000 | 10 | Hari |  | 1050000 |
| 2.2.1 | Perancangan SKPL Bab 1 | 200000 | 250000 | 350000 |  |  |  |  |
| 2.2.2 | Perancangan SKPL Bab 2 & 3 | 250000 | 300000 | 450000 |  |  |  |  |
| 2.2.3 | Pembuatan Diagram | 350000 | 450000 |  |  |  |  |  |
| **2.2** | Pencetakan SKPL | 30000 | 40000 | 50000 | 1 | Unit |  | 40000 |
|  | Sub total |  |  |  |  |  |  | 1090000 |
|  |  |  |  |  |  |  |  |  |
| **3** | **Menyewa Hosting** | 8000 | 8500 | 10000 | 60 | Hari | 520000 |  |
|  | Sub total |  |  |  |  |  |  | 520000 |
|  |  |  |  |  |  |  |  |  |
| 4 | **Pengembangan Aplikasi** |  |  |  |  |  |  |  |
| 4.1 | Pengembangan Front-End | 30000 | 35000 | 40000 | 60 | Hari |  | 2100000 |
| 4.1.1 | Page Login Logout | 250000 | 300000 | 350000 |  |  |  |  |
| 4.1.2 | Page Profil User | 250000 | 300000 | 350000 |  |  |  |  |
| 4.1.3 | Page Register | 250000 | 300000 | 350000 |  |  |  |  |
| 4.1.4 | Page Edit Barang | 300000 | 350000 | 400000 |  |  |  |  |
| 4.1.5 | Page Lihat Barang | 250000 | 300000 | 350000 |  |  |  |  |
| 4.1.6 | Home Page | 500000 | 550000 | 600000 |  |  |  |  |
| 4.2 | Pengembangan Back-End | 30000 | 35000 | 40000 | 60 | Hari |  | 2100000 |
| 4.2.1 | Page Login Logout | 250000 | 300000 | 350000 |  |  |  |  |
| 4.2.2 | Page Profil User | 250000 | 300000 | 350000 |  |  |  |  |
| 4.2.3 | Page Register | 250000 | 300000 | 350000 |  |  |  |  |
| 4.2.4 | Page Edit Barang | 300000 | 350000 | 400000 |  |  |  |  |
| 4.2.5 | Page Lihat Barang | 250000 | 300000 | 350000 |  |  |  |  |
| 4.2.6 | Home Page | 500000 | 550000 | 600000 |  |  |  |  |
|  | Lisensi Software | 900000 | 1000000 | 1500000 | 1 | Unit |  | 1066666,667 |
|  | Testing | 20000 | 25000 | 30000 | 7 | Hari |  | 175000 |
|  | Sub total |  |  |  |  |  |  | 5441666,667 |
|  |  |  |  |  |  |  |  |  |
|  | **Support** |  |  |  |  |  |  |  |
|  | **User Manual** |  |  |  |  |  |  |  |
|  | Perancangan User Manual | 10000 | 15000 | 20000 | 7 | Hari |  | 105000 |
|  | Pencetakan User Manual | 7000 | 10000 | 12000 | 15 | Unit |  | 147500 |
|  | Training User | 45000 | 60000 | 75000 | 4 | Hari |  | 240000 |
|  | Sub total |  |  |  |  |  |  | 492500 |
|  |  |  |  |  |  |  |  |  |
| **6** | **Rapat** |  |  |  |  |  |  |  |
| **6.1** | **Rapat Koordinasi** |  |  |  |  |  |  |  |
| 6.1.1 | Rapat koordinasi penentuan job | 50000 | 60000 | 75000 | 1 | Hari |  | 60833,33333 |
| 6.1.2 | Rapat koordinasi fungsi utama program | 50000 | 60000 | 75000 | 1 | Hari |  | 60833,33333 |
| 6.1.3 | Rapat koodinasi penjelasan SKPL dan start pembuatan program | 50000 | 60000 | 75000 | 1 | Hari |  | 60833,33333 |
| 6.1.4 | Rapat koordinasi progress program (back-end dan front-end) | 50000 | 60000 | 75000 | 1 | Hari |  | 60833,33333 |
| 6.1.5 | Rapat koordinasi final | 50000 | 60000 | 75000 | 1 | Hari |  | 60833,33333 |
| **6.2** | **Rapat Rutin** |  |  |  |  |  |  |  |
| **6.2.1** | Rapat Rutin 18-03-2016 | 45000 | 60000 | 70000 | 1 | Hari |  | 59166,66667 |
| **6.2.2** | Rapat Rutin 01-04-2016 | 45000 | 60000 | 70000 | 1 | Hari |  | 59166,66667 |
| **6.2.3** | Rapat Rutin 15-04-2016 | 45000 | 60000 | 70000 | 1 | Hari |  | 59166,66667 |
|  | Sub total |  |  |  |  |  |  | 481666,6667 |
|  |  |  |  |  |  |  |  |  |
|  | **Project cost calculations** |  |  |  |  |  |  | 8220833,333 |
|  | Total project cost |  |  |  |  |  |  |  |

# Batasan dan Scope Aplikasi

## Scope of Initial Release

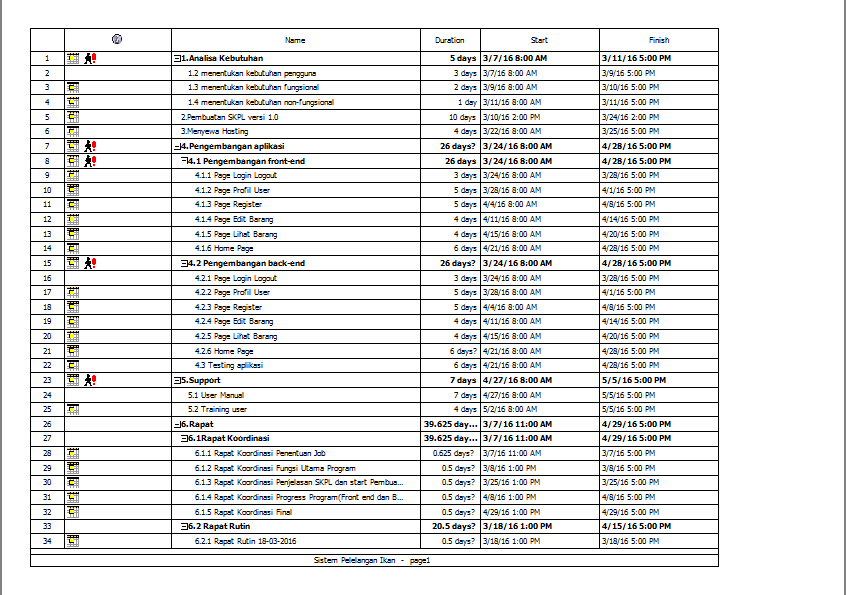
Aplikasi hanya akan memfasilitasi pelelangan ikan saja serta profil umum member

## Scope of Subsequent Releases

Aplikasi akan mengimplementasikan fitur testimony pada profil member

## Batasan dan Eksklusi

* Aplikasi tidak mengatur sistem pembayaran dan sistem pengiriman dari pelelangan ikan
* Aplikasi tidak mengatur tentang pengaduan keluhan dari dalam sistem

**