

# Rencana Anggaran Biaya

Smart Marketing Agent Untuk Analysis RFM Customer

## SJM Software House

Jl. Proton Raya AB8 No.4  
Ngaliyan, Semarang, Jawa Tengah 50185

### INFRASTRUCTURE

**Rp 48.000.000**

60%

### TIM TEKNIS

**Rp 32.000.000**

40%

| NO | ITEM                      | PROVIDER/KETERANGAN | DURATION        | BIAYA (RP)        |
|----|---------------------------|---------------------|-----------------|-------------------|
| A  | <b>INFRASTRUCTURE</b>     |                     |                 | <b>48.000.000</b> |
| 1  | Server & Hosting          |                     |                 | 11.400.000        |
|    | VPS Production            | DigitalOcean        | 12 bulan        | 7.200.000         |
|    | Vercel Pro                | Vercel              | 12 bulan        | 3.600.000         |
|    | Domain & SSL              | Namecheap           | 12 bulan        | 600.000           |
| 2  | Database Services         |                     |                 | 8.400.000         |
|    | Supabase Pro              | Supabase            | 12 bulan        | 3.600.000         |
|    | PostgreSQL Managed        | Railway/Neon        | 12 bulan        | 4.800.000         |
| 3  | API Services              |                     |                 | 24.000.000        |
|    | OpenAI GPT-4 Credits      | OpenAI              | 3M tokens/month | 14.400.000        |
|    | WhatsApp Business API     | Fonnte Premium      | 12 bulan        | 6.000.000         |
|    | Email Service             | Resend Pro          | 12 bulan        | 3.600.000         |
| 4  | Development Tools         |                     |                 | 4.200.000         |
|    | GitHub Team               | Version Control     | 12 bulan        | 1.200.000         |
|    | Sentry Pro                | Error Tracking      | 12 bulan        | 1.800.000         |
|    | Vercel Analytics          | Analytics           | 12 bulan        | 1.200.000         |
| B  | <b>TIM TEKNIS</b>         |                     |                 | <b>32.000.000</b> |
| 5  | Development Team          |                     |                 | 24.000.000        |
|    | Lead Full-Stack Developer | Senior Level        | 3 bulan         | 24.000.000        |

|   |                   |                  |           |           |
|---|-------------------|------------------|-----------|-----------|
| 6 | Design            |                  |           | 6.000.000 |
|   | UI/UX Designer    | Mid-Senior Level | 1.5 bulan | 6.000.000 |
| 7 | Quality Assurance |                  |           | 2.000.000 |
|   | QA Tester         | Mid Level        | 1 bulan   | 2.000.000 |

**GRAND TOTAL**

**80.000.000**

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