

# GARUDAHOKI WhatsApp Bot - Setup Guide

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## Rekomendasi Provider WhatsApp Business API

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Berdasarkan research mendalam, berikut adalah rekomendasi provider terbaik untuk implementasi cepat:

### 1. SleekFlow ★ (RECOMMENDED - Tercepat)

- **Setup Time:** 3 menit
- **Pricing:** Forever Free Plan + paid plans mulai \$79/bulan
- **Keunggulan:**
  - Setup tercepat di industri
  - Official WhatsApp BSP
  - AI-driven features
  - Omnichannel integration
  - Retain verified status saat migrasi
- **Cocok untuk:** Testing cepat dan deployment production
- **Website:** <https://sleekflow.io>

### 2. Zixflow 💰 (RECOMMENDED - Termurah)

- **Setup Time:** 5-10 menit
- **Pricing:** Free Plan + Marketing Stack ₹1,999/bulan
- **Keunggulan:**
  - Completely free tier
  - Unified inbox & automation
  - CRM integration
  - 7-day free trial untuk paid plans
  - Bulk discounts available
- **Cocok untuk:** Budget terbatas dan small business
- **Website:** <https://zixflow.com>

### 3. Plivo 📊 (Volume Tinggi)

- **Setup Time:** 10-15 menit
  - **Pricing:** \$0.00008 per conversation + Meta fees
  - **Keunggulan:**
    - Per-conversation termurah
    - 24/7 support
    - Volume discounts
    - Developer-friendly API
  - **Cocok untuk:** High-volume messaging
  - **Website:** <https://plivo.com>
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## Setup WhatsApp Business API

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### Langkah 1: Persiapan Akun

#### Requirements:

- Meta Business Manager account
- Nomor telepon baru (belum pernah digunakan WhatsApp)
- Domain untuk webhook (contoh: botgarudahoki.com)
- Dokumen verifikasi bisnis

### Langkah 2: Setup dengan SleekFlow (Recommended)

#### 1. Daftar SleekFlow

...

2. Kunjungi <https://sleekflow.io>

3. Klik "Start Free Trial"

4. Isi form registrasi bisnis

5. Verifikasi email

...

#### 6. Connect WhatsApp Business API

...

7. Login ke SleekFlow dashboard

8. Pilih "Channels" > "WhatsApp Business API"

9. Klik "Connect WhatsApp"

10. Ikuti wizard setup (3 menit):

- Input nomor telepon baru
- Verifikasi dengan SMS/Call
- Upload dokumen bisnis
- Set display name: "GARUDAHOKI"

...

#### 11. Konfigurasi Webhook

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12. Di SleekFlow dashboard, pilih "Settings" > "Webhooks"

13. Set Webhook URL: <https://yourdomain.com/webhook/whatsapp>
14. Enable events: message, message\_status
15. Copy Webhook Secret untuk environment variables  
...

### Langkah 3: Setup dengan Zixflow (Alternative)

#### 1. Daftar Zixflow

...

2. Kunjungi <https://zixflow.com>
3. Klik "Start Free"
4. Complete onboarding process  
...

#### 5. WhatsApp API Setup

...

6. Go to "Channels" > "WhatsApp"
7. Click "Connect WhatsApp Business API"
8. Follow setup wizard:
  - Business verification
  - Phone number verification
  - Webhook configuration  
...

### Langkah 4: Dapatkan API Credentials

Setelah setup selesai, catat informasi berikut:

- Phone Number ID
- WhatsApp Business Account ID
- Access Token
- Webhook Verify Token
- Webhook Secret

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## Deployment ke Namecheap Hosting

### Langkah 1: Persiapan Domain & Hosting

#### 1. Beli Domain & Hosting

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2. Login ke Namecheap
3. Beli domain (contoh: botgarudahoki.com)
4. Beli Shared Hosting atau VPS
5. Setup DNS pointing ke hosting  
...

#### 6. Setup Subdomain untuk Bot

...

7. Di cPanel, buka "Subdomains"
8. Buat subdomain: api.botgarudahoki.com
9. Point ke folder: /public\_html/api  
...

## Langkah 2: Upload Files ke Hosting

### 1. Compress Project

```
bash
cd /home/ubuntu/garudahoki_whatsapp_bot
tar -czf garudahoki-bot.tar.gz .
```

### 2. Upload via cPanel File Manager

...

3. Login ke cPanel
4. Buka "File Manager"
5. Navigate ke /public\_html/api
6. Upload garudahoki-bot.tar.gz
7. Extract files  
...

## Langkah 3: Setup Database

### 1. Buat Database PostgreSQL

...

2. Di cPanel, buka "PostgreSQL Databases"
3. Buat database: garudahoki\_bot
4. Buat user: garudahoki\_user
5. Set password yang kuat
6. Assign user ke database dengan ALL PRIVILEGES  
...

### 7. Import Database Schema

```
bash
# Via SSH atau phpPgAdmin
psql -h localhost -U garudahoki_user -d garudahoki_bot < database/schema.sql
```

## Langkah 4: Install Dependencies

```
# Via SSH terminal
cd /public_html/api
npm install --production
```

## Langkah 5: Setup Environment Variables

Buat file `.env` di root project:

```
cp .env.example .env
nano .env
```

## Langkah 6: Setup Process Manager

### 1. Install PM2

```
bash  
npm install -g pm2
```

### 2. Start Application

```
bash  
pm2 start ecosystem.config.js  
pm2 save  
pm2 startup
```

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## Konfigurasi Environment Variables

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Buat file `.env` dengan konfigurasi berikut:

```

# Server Configuration
NODE_ENV=production
PORT=3000
HOST=0.0.0.0

# Database Configuration
DATABASE_URL=postgresql://garudahoki_user:your_password@localhost:5432/garudahoki_bot

# WhatsApp API Configuration (SleekFlow)
WHATSAPP_PROVIDER=sleekflow
WHATSAPP_PHONE_NUMBER_ID=your_phone_number_id
WHATSAPP_ACCESS_TOKEN=your_access_token
WHATSAPP_WEBHOOK_VERIFY_TOKEN=your_verify_token
WHATSAPP_WEBHOOK_SECRET=your_webhook_secret

# Alternative: Zixflow Configuration
# WHATSAPP_PROVIDER=zixflow
# ZIXFLOW_API_KEY=your_zixflow_api_key
# ZIXFLOW_PHONE_NUMBER=your_phone_number

# LiveChatInc Integration
LIVECHAT_LICENSE_ID=your_license_id
LIVECHAT_CLIENT_ID=your_client_id
LIVECHAT_CLIENT_SECRET=your_client_secret
LIVECHAT_REDIRECT_URI=https://yourdomain.com/auth/livechat/callback

# Admin Panel
ADMIN_USERNAME=admin
ADMIN_PASSWORD=your_secure_password
JWT_SECRET=your_jwt_secret_key

# Bot Configuration
BOT_TIMEZONE=Asia/Jakarta
BOT_LANGUAGE=id

# Security
CORS_ORIGIN=https://yourdomain.com
RATE_LIMIT_WINDOW_MS=900000
RATE_LIMIT_MAX_REQUESTS=100

# Logging
LOG_LEVEL=info
LOG_FILE=logs/bot.log

```

## Integrasi LiveChatInc

### Langkah 1: Setup LiveChatInc Account

1. Login ke LiveChatInc  
...
2. Kunjungi <https://platform.text.com/console>
3. Login dengan akun yang sudah ada
4. Navigate ke "Apps" section  
...

## 5. Buat New App

...

6. Klik "Create App"

7. App Name: "GARUDAHOKI WhatsApp Bot"

8. App Type: "Server-side app"

9. Scopes: pilih yang diperlukan untuk chat integration

...

## Langkah 2: Konfigurasi OAuth

### 1. Setup Redirect URI

Redirect URI: `https://yourdomain.com/auth/livechat/callback`

### 2. Dapatkan Credentials

- Client ID
- Client Secret
- License ID (dari account settings)

## Langkah 3: Test Integration

```
# Test API connection
curl -X GET "https://api.livechatinc.com/v3.4/configuration/webhooks" \
-H "Authorization: Bearer YOUR_ACCESS_TOKEN"
```



## Testing Bot

### Langkah 1: Test Webhook

```
# Test webhook endpoint
curl -X POST https://yourdomain.com/webhook/whatsapp \
-H "Content-Type: application/json" \
-d '{"test": "webhook"}'
```

### Langkah 2: Test Bot Responses

#### 1. Kirim pesan ke nomor WhatsApp bot

#### 2. Cek response sesuai flow:

- Sapaan otomatis dengan branding
- Menu interaktif
- Filter kata kasar
- Handover ke agen

### Langkah 3: Test Admin Panel

#### 1. Login ke admin panel: `https://yourdomain.com/admin`

#### 2. Test fitur:

- Update Bonus Hari Ini
- Update Pola Harian
- View blocked numbers
- Check statistics

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## Troubleshooting

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### Common Issues

#### 1. Webhook tidak menerima pesan

- Cek SSL certificate valid
- Verify webhook URL di provider dashboard
- Check firewall settings
- Verify webhook verify token

#### 2. Database connection error

- Cek DATABASE\_URL format
- Verify database credentials
- Check PostgreSQL service status
- Test connection manually

#### 3. Bot tidak merespon

- Check application logs: pm2 logs
- Verify WhatsApp API credentials
- Check rate limiting
- Verify phone number status

#### 4. Admin panel tidak load

- Check JWT\_SECRET configuration
- Verify admin credentials
- Check browser console for errors
- Clear browser cache

### Monitoring & Logs

```
# Check application status
pm2 status

# View logs
pm2 logs garudahoki-bot

# Monitor resources
pm2 monit

# Restart if needed
pm2 restart garudahoki-bot
```

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## Support

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Jika mengalami kesulitan dalam setup:

1. **Check logs** terlebih dahulu
2. **Verify environment variables** sudah benar
3. **Test API endpoints** secara manual
4. **Contact provider support** jika masalah di sisi WhatsApp API

