

SmartVerse Onboarding Tour System

Overview

Sistem tour onboarding yang comprehensive untuk aplikasi SmartVerse, dirancang untuk memberikan pengalaman pengenalan yang optimal kepada user baru maupun yang sudah ada.

Features

Tiga Jenis Tour

1. **Tour Umum** - Fitur dasar aplikasi (5 menit)
2. **Tour Bisnis** - Khusus fitur business vault (7 menit)
3. **Tour Lengkap** - Semua fitur dari dasar hingga advanced (12 menit)

Smart Tour Management

- **Auto-trigger** untuk user baru
- **Business user detection** otomatis
- **New features detection** untuk user lama
- **Progress tracking** dengan localStorage
- **Date-based tour updates** untuk fitur baru

Interactive Elements

- **Progress bar** dengan persentase
- **Category badges** (Umum, Bisnis, Advanced)
- **"NEW!" badges** untuk fitur terbaru
- **Beautiful icons** dan gradients
- **Responsive design** untuk semua device

Implementation

Components Created

1. **OnboardingTour.tsx**

```
// Main tour component dengan:  
- Category selection screen  
- Step-by-step guidance  
- Progress tracking  
- Icon-rich presentation  
- Responsive design
```

2. **useTourManager.ts**

```
// Smart tour management hook:  
- LocalStorage persistence  
- Auto-trigger logic  
- Business user tracking  
- New features detection
```

Integration Points

Main App (**IndexWagmi.tsx**)

```
// General app tour integration  
- Header help button  
- Auto-trigger for new users  
- CSS classes for element targeting
```

Business Dashboard (**BusinessDashboard.tsx**)

```
// Business-specific tour  
- Business user auto-detection  
- New features tour prompt  
- Manual tour trigger button
```

Header (**HeaderWagmi.tsx**)

```
// Universal help access  
- "Panduan" button always available  
- Triggers general tour
```

Business Actions (**BusinessActions.tsx**)

```
// CSS classes for tour targeting:  
- .business-info-card  
- .payment-qr-card  
- .deposit-card  
- .withdraw-card  
- .quick-actions-card
```

Tour Content

General Tour Steps

1. **Welcome** - Intro to SmartVerse
2. **Wallet Connection** - How to connect wallet
3. **Multi-Chain Support** - Network switching
4. **IDRT Currency** - Primary currency explanation
5. **Name Registration** - Domain registration
6. **Send Tokens** - Token transfer
7. **QR Scanner** - Payment scanning

Business Tour Steps

1. **Business Intro** - Business features overview
2. **Business Vault** - Vault concept explanation
3. **Payment QR** - QR generation for customers
4. **Direct Payment** - NEW! Direct payment feature
5. **Deposit Funds** - Adding funds to vault
6. **Withdraw Funds** - Withdrawing from vault
7. **Quick Actions** - Shortcut buttons

Advanced Features

1. **Transaction History** - Monitoring transactions
2. **Financial Reports** - Business analytics
3. **Mobile Responsive** - Cross-device access
4. **Security** - Blockchain security features

Configuration

Tour Settings Storage

```
interface TourSettings {  
  hasSeenGeneralTour: boolean;  
  hasSeenBusinessTour: boolean;  
  hasSeenFullTour: boolean;  
  lastTourDate: string | null;  
  isBusinessUser: boolean;  
}
```

Auto-Trigger Logic

```
// New users  
if (!tourSettings.hasSeenGeneralTour) {  
  showTour('general');  
}
```

```
// Business users without business tour
if (isBusinessUser && !tourSettings.hasSeenBusinessTour) {
  showTour('business');
}

// New features for existing business users
if (isBusinessUser && lastTourDate < newFeaturesDate) {
  showTour('business');
}
```

UI/UX Features

Visual Elements

- **Gradient backgrounds** untuk category cards
- **Progress indicators** dengan smooth transitions
- **Icon libraries** dari Lucide React
- **Badge system** untuk kategorisasi
- **Responsive grid** layouts

Interactive Features

- **Skip tour** option di setiap step
- **Previous/Next** navigation
- **Category selection** screen
- **Manual tour triggers** dari berbagai lokasi

Accessibility

- **Keyboard navigation** support
- **Clear visual hierarchy**
- **Descriptive text** untuk screen readers
- **High contrast** colors

Mobile Optimization

Responsive Design

- **Mobile-first** approach
- **Touch-friendly** buttons
- **Readable typography** di semua ukuran
- **Optimized spacing** untuk thumb navigation

Future Enhancements

Planned Features

1. **Interactive hotspots** dengan overlay highlights
2. **Video tutorials** untuk complex features

3. **Contextual tips** berdasarkan user behavior
4. **Multi-language support**
5. **Tour analytics** dan completion tracking

Update Strategy

```
// Update newFeaturesDate ketika ada fitur baru
const newFeaturesDate = '2025-01-01';

// User akan otomatis dapat tour update
if (lastTourDate < newFeaturesDate) {
  showBusinessTour();
}
```

User Experience Benefits

For New Users

- **Zero learning curve** dengan guided tour
- **Confidence building** melalui step-by-step guidance
- **Feature discovery** yang comprehensive

For Existing Users

- **New feature awareness** otomatis
- **Refresher training** tersedia kapan saja
- **Business feature onboarding** untuk yang upgrade

For Business Users

- **Specialized training** untuk business features
- **Advanced functionality** explanation
- **Best practices** guidance

Best Practices

Tour Design

- **Keep steps concise** (max 2-3 sentences)
- **Use clear visuals** untuk complex concepts
- **Provide context** untuk setiap feature
- **Highlight benefits** bukan hanya features

Technical Implementation

- **Lazy loading** untuk performance
- **Error boundaries** untuk stability
- **LocalStorage cleanup** untuk storage management

- **Graceful degradation** jika tour fails

Success Metrics

Tracking Opportunities

- **Tour completion rates** by type
- **Feature adoption** post-tour
- **User engagement** metrics
- **Support ticket reduction**

Tour ini dirancang untuk memberikan pengalaman onboarding yang optimal dan memastikan user dapat memanfaatkan semua fitur SmartVerse dengan maksimal! 🚀