

LAMPIRAN

Lampiran 1 Surat Kesiediaan Membimbing TA Pembimbing I

SURAT KESEDIAAN MEMBIMBING TA

Yang bertanda tangan di bawah ini:

Nama : Miftakhul Huda, M.Kom.
NIDN : 0620127801
NIPY : 04.007.033
Jabatan Struktural : -
Jabatan Fungsional : Lektor

Dengan ini menyatakan bersedia untuk menjadi pembimbing I pada Tugas Akhir mahasiswa berikut:

Nama : Muhamad Usman Hadi
NIM : 23040101
Program Studi : Diploma III Teknik Komputer
Judul TA : PERANCANGAN SISTEM INFORMASI
PEMBAYARAN KOST SUBALI HOUSE
BERBASIS WEBSITE DENGAN INTEGRASI
IOT.

Demikian pernyataan ini dibuat agar dapat dilaksanakan sebagaimana mestinya.

Tegal, Juni 2026

Mengetahui
Ka. Prodi DIII Teknik Komputer,



Arif Rakhman, SE, S.Pd, M.Kom,
NIPY. 05.016.291

Dosen Pembimbing I,



Miftakhul Huda, M.Kom,
NIPY. 04.007.033

Lampiran 2 Surat Kesiediaan Membimbing TA Pembimbing II

SURAT KESEDIAAN MEMBIMBING TA

Yang bertanda tangan di bawah ini:

Nama : Achmad Sutanto, S.Kom.,M.Tr.T.
NIDN : 0618058902
NIPY : 11.012.128
Jabatan Struktural : Subag Jaringan dan Server
Jabatan Fungsional : Asisten Ahli

Dengan ini menyatakan bersedia untuk menjadi pembimbing II pada Tugas Akhir mahasiswa berikut:

Nama : Muhamad Usman Hadi
NIM : 23040101
Progran Studi : Diploma III Teknik Komputer
Judul TA : PERANCANGAN SISTEM INFORMASI
PEMBAYARAN KOST SUBALI HOUSE
BERBASIS WEBSITE DENGAN INTEGRASI
IOT.

Demikian pernyataan ini dibuat agar dapat dilaksanakan sebagaimana mestinya.

Tegal, Juni 2026

Mengetahui
Ka. Prodi DIII Teknik Komputer,

Dosen Pembimbing II,



Arif Rakhman, SE, S.Pd, M.Kom.
NIPY. 05.016.291



Achmad Sutanto, S.Kom.,M.Tr.T.
NIPY. 11.012.128

Lampiran 3 Surat Observasi



Sekolah Vokasi
Program Studi D-3 Teknik Komputer

Nomor : 448.03/KOM-PHB/XI/2025
Lampiran : -
Perihal : Permohonan Izin Observasi Tugas Akhir (TA)

Kepada Yth.

Pimpinan SUBALI HOUSE

Di Jl. Subali RT.12/02 Slerok, Kec. Tegal Timur Kota Tegal

Dengan Hormat,

Sehubungan dengan tugas mata kuliah Tugas Akhir (TA) yang akan diselenggarakan di semester V Program Studi Diploma III Teknik Komputer Universitas Harkat Negeri, Maka dengan ini kami mengajukan izin observasi pengambilan data di SUBALI HOUSE yang Bapak / Ibu Pimpin, untuk kepentingan dalam pembuatan produk Tugas Akhir, dengan Mahasiswa sebagai berikut:

No	NIM	NAMA	NO HP
1	23040091	MOHAMMAD RIO ZAZALY	085725461972
2	23040101	MUHAMAD USMAN HADI	085747532272

Demikian surat permohonan ini kami sampaikan atas izin dan kerjasamanya kami sampaikan terima kasih.

Tegal, 05 Februari 2026
Ka. Prodi DIII Teknik Komputer
Universitas Harkat Negeri



Arif Rakhman SE, S.Pd, M.Kom
NIPY. 05.016.291

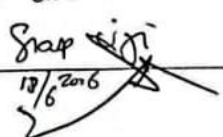
Lampiran 4 Bimbingan Laporan Pembimbing I TA

Lampiran 22
Bimbingan Proposal TA

IK P2M PHB d.5.1.e.1

NAMA MAHASISWA : MUHAMAD USMAN HADI

PEMBIMBING I: MIFTAKHUL HUDA, M. KOM BIMBINGAN PROPOSAL TA

No	HARI/ TANGGAL	URAIAN	TANDA TANGAN
1.	4/3 2026	- Tata Aris program - lengkapi data di buku bimbingan	
2	6/4 2026	- Revisi paragraf Gbr dan judul kegiatan	
3	7/4 2026	Ace proposal note: lihat catatan	
4	20/4 2026	Bab I, II, III Revisi. - latar belakang - Prosedur Penelitian - Tata tulis program	
5	21/4 2026	Ace Gal I, II, III	
6	18/6 2026	Ace Gal IV, V, VI note: lihat catatan Signap  18/6 2026	

Lampiran 5 Bimbingan Laporan Pembimbing II TA

Lampiran 23
Bimbingan Laporan Pembimbing I TA

IK P2M PHB d.5.1.e.1

PEMBIMBING II: ACHMAD SUTANTO BIMBINGAN LAPORAN TA

No	HARI/ TANGGAL	URAIAN	TANDA TANGAN
1)	selasa/ 26 Mei	- Font Halaman - Penulisan kata ASING - Before, After	
2)	kamis/ 04 Juni	- Gambar dirapikan - Kalimat "Akan" - Tabel	
3)	selasa/ 09 Juni	- kalimat "kost" -	
4)	09/2026 6	Acc Bab IV, V, VI lengkap bagian awal hingga akhir untuk syarat pendaftaran / daftar ujian Tegal, 9/2026 Pb 2  Achmad Sutanto	

Lampiran 6 Foto Dokumentasi Observasi



Lampiran 7 *Source Code*

```
<?php
namespace App\Http\Controllers;
use App\Models\Room;
use App\Models\Tenant;
use App\Models\Booking;
use App\Models\Payment;
use App\Models\AccessLog;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\DB;
class DashboardController extends Controller
{
    /**
     * Display user dashboard
     */
    public function userDashboard()
    {
        $tenant = Tenant::where('email', Auth::user()->email)-
>first();
        $currentBooking = null;
        $currentRoom = null;
        $booking = null;
        $room = null;
        $bookings = collect();
        $accessLogs = collect();
        $latestAccessLogs = collect();
        if ($tenant) {
            $currentBooking = Booking::with(['room', 'tenant'])
                ->where('tenant_id', $tenant->id)
                ->whereIn('payment_status', ['paid', 'success',
'settlement', 'capture'])
                ->whereDate('start_date', '<=', now())
                ->where(function ($query) {
                    $query->whereNull('end_date')
                        ->orWhereDate('end_date', '>=', now());
                })
        }
```



```

        ->latest('end_date')
        ->first();
    $currentRoom = $currentBooking ? $currentBooking->room :
null;

    $booking = $currentBooking;
    $room = $currentRoom;
    $bookings = Booking::with('room')
        ->where('tenant_id', $tenant->id)
        ->latest()
        ->take(5)
        ->get();

    $accessLogs = AccessLog::where('tenant_id', $tenant->id)
        ->latest()
        ->take(5)
        ->get();

    $latestAccessLogs = $accessLogs;
}

$view = view()->exists('frontend.dashboard.index')
    ? 'frontend.dashboard.index'
    : (view()->exists('frontend.dashboard')) ?
'frontend.dashboard' : 'dashboard');
return view($view, compact(
    'tenant',
    'currentBooking',
    'currentRoom',
    'booking',
    'room',
    'bookings',
    'accessLogs',
    'latestAccessLogs'
));
}

/**
 * Display admin dashboard
 */
public function adminDashboard()
{
    // Room Statistics

```

```

$roomStats = [
    'total' => Room::count(),
    'available' => Room::where('status', 'available')->count(),
    'booked' => Room::where('status', 'booked')->count(),
    'occupied' => Room::where('status', 'occupied')->count(),
    'maintenance' => Room::where('status', 'maintenance')->count(),
];

// Tenant Statistics (count active via direct status OR paid bookings)
$tenantActiveCount = Tenant::where(function ($q) {
    $q->where('status', 'active')
        ->orWhereHas('bookings', function ($bq) {
            $bq->whereIn('payment_status', ['paid', 'success', 'settlement', 'capture']);
        })
        ->orWhereHas('bookings.payments', function ($pq) {
            $pq->where('payment_status', 'success');
        });
})->count();

$tenantStats = [
    'total' => Tenant::count(),
    'active' => $tenantActiveCount,
    'pending' => Tenant::where('status', 'pending')
        ->whereDoesntHave('bookings', function ($q) {
            $q->whereIn('payment_status', ['paid', 'success', 'settlement', 'capture']);
        })
        ->count(),
];

// Booking Statistics
$bookingStats = [
    'total' => Booking::count(),
    'pending' => Booking::where('payment_status', 'pending')->count(),

```

```

        'paid' => Booking::where('payment_status', 'paid')-
>count(),
        'expired' => Booking::where('payment_status',
'expired')->count(),
    ];
    // Revenue Statistics
    $revenueStats = [
        'today' => Payment::whereDate('paid_at', now()-
>format('Y-m-d'))
            ->where('payment_status', 'success')
            ->sum('amount'),
        'this_week' => Payment::whereBetween('paid_at', [
            now()->startOfWeek(),
            now()->endOfWeek()
        ])
            ->where('payment_status', 'success')
            ->sum('amount'),
        'this_month' => Payment::whereMonth('paid_at', now()-
>month)
            ->whereYear('paid_at', now()->year)
            ->where('payment_status', 'success')
            ->sum('amount'),
        'total' => Payment::where('payment_status', 'success')
            ->sum('amount'),
    ];
    // Recent Bookings
    $recentBookings = Booking::with(['tenant', 'room'])
        ->orderBy('created_at', 'desc')
        ->limit(5)
        ->get();
    // Recent Payments
    $recentPayments = Payment::with(['booking.tenant'])
        ->orderBy('created_at', 'desc')
        ->limit(5)
        ->get();
    // Recent Access Logs
    $recentAccess = AccessLog::with('tenant')
        ->orderBy('created_at', 'desc')

```

```

        ->limit(10)
        ->get();
    // Access Statistics
    $accessStats = [
        'today' => AccessLog::whereDate('created_at', now()-
>format('Y-m-d'))->count(),
        'this_week' => AccessLog::whereBetween('created_at', [
            now()->startOfWeek(),
            now()->endOfWeek()
        ])->count(),
        'success' => AccessLog::where('access_status',
'success')
            ->whereDate('created_at', now()->format('Y-m-d'))
            ->count(),
        'denied' => AccessLog::where('access_status',
'denied')
            ->whereDate('created_at', now()->format('Y-m-d'))
            ->count(),
    ];
    // Monthly Revenue Chart Data (Last 6 months)
    $monthlyRevenue = [];
    for ($i = 5; $i >= 0; $i--) {
        $month = now()->subMonths($i);
        $revenue = Payment::whereMonth('paid_at', $month-
>month)
            ->whereYear('paid_at', $month->year)
            ->where('payment_status', 'success')
            ->sum('amount');
        $monthlyRevenue[] = [
            'month' => $month->format('M Y'),
            'revenue' => (float) $revenue,
        ];
    }
    // Room Occupancy Chart Data
    $occupancyData = [
        ['status' => 'Tersedia', 'count' =>
    $roomStats['available'], 'color' => '#4CAF50'],

```

```

        ['status' => 'Terbooking', 'count' =>
$roomStats['booked'], 'color' => '#FFC107'],
        ['status' => 'Ditempati', 'count' =>
$roomStats['occupied'], 'color' => '#2196F3'],
        ['status' => 'Perbaikan', 'count' =>
$roomStats['maintenance'], 'color' => '#F44336'],
    ];
    return view('admin.dashboard.index', compact(
        'roomStats',
        'tenantStats',
        'bookingStats',
        'revenueStats',
        'recentBookings',
        'recentPayments',
        'recentAccess',
        'accessStats',
        'monthlyRevenue',
        'occupancyData'
    ));
}
}

```