

LAMPIRAN

Lampiran 1. Surat Keterangan Observasi

SURAT KETERANGAN OBSERVASI

Yang bertanda tangan dibawah ini :

Nama : Danang Budi Raharjo

Jabatan : Pemilik Bengkel PUTRA JAYA MOTOR KLATEN

Dengan ini menerangkan bahwa mahasiswa yang beridentitas :

Nama : Nadzar Wisnu Prasetya

NIM : 2312030607

Program Studi : Manajemen Informatika

Adalah benar mahasiswa dari Sekolah Tinggi Manajemen Informatika yang telah melaksanakan kegiatan penelitiannya dibengkel PUTRA JAYA MOTOR KLATEN.

Demikian surat keterangan ini dibuat dan diberikan kepada yang bersangkutan untuk dipergunakan sebagaimana mestinya.

Klaten, 16 Juni 2026

Pemilik Bengkel



Danang Budi Raharjo

Lampiran 2. Daftar Kode Program (sebagian)

admin_dashboard.php

```
<?php
require_once __DIR__ . '/koneksi.php';
require_once __DIR__ . '/helpers.php';
require_admin();

$allowedStatuses = ['Menunggu
Antrian', 'Sedang Dikerjakan',
'Selesai', 'Dibatalkan'];
$paymentStatusOptions =
['Menunggu Verifikasi', 'Menunggu
Pembayaran Tunai', 'Lunas',
'Ditolak'];
$allowedPaymentStatuses =
array_merge($paymentStatusOptions
, ['Terverifikasi']);

if
($ _SERVER['REQUEST_METHOD'] === 'POST') {
    verify_csrf();
    $action = $_POST['action'] ?? '';

    if ($action === 'save_booking') {
        $id = filter_var($_POST['id'] ??
null, FILTER_VALIDATE_INT);
        $name = trim($_POST['name']
?? '');
        $phone = trim($_POST['phone']
?? '');
        $vehicleType =
trim($_POST['vehicle_type'] ?? '');
        $plateNumber =
strtoupper(trim($_POST['plate_num
ber'] ?? ''));
        $serviceType =
trim($_POST['service_type'] ?? '');
        $serviceDate =
$_POST['service_date'] ?? '';

        $serviceTime =
$_POST['service_time'] ?? '';
        $complaint =
trim($_POST['complaint'] ?? '');
        $status = $_POST['status'] ?? '';
        $totalCost = max(0, (float)
($_POST['total_biaya'] ?? 0));

        if (!$id || $vehicleType === '' ||
$plateNumber === '' || $serviceType
=== '' || $serviceDate === '' ||
$serviceTime === '' ||
!in_array($status, $allowedStatuses,
true)) {
            set_flash('danger', 'Data
booking belum lengkap atau status
tidak valid.');
```

```

        // Ambil status lama sebelum
        update
        $oldBookingStmt = $conn-
        >prepare('SELECT status FROM
        service_bookings WHERE id = ?');
        $oldBookingStmt-
        >bind_param('i', $id);
        $oldBookingStmt->execute();
        $oldBooking =
        $oldBookingStmt->get_result()-
        >fetch_assoc();

        $stmt = $conn-
        >prepare('UPDATE
        service_bookings SET name = ?,
        phone = ?, vehicle_type = ?,
        plate_number = ?, service_type = ?,
        service_date = ?, service_time = ?,
        complaint = ?, status = ?, total_biaya
        = ? WHERE id = ?');
        $stmt-
        >bind_param('ssssssssdi', $name,
        $phone, $vehicleType,
        $plateNumber, $serviceType,
        $serviceDate, $serviceTime,
        $complaint, $status, $totalCost, $id);
        $stmt->execute();

        // Kirim WhatsApp otomatis ke
        pelanggan saat status berubah
        $customerPhone = $phone;
        if
        (str_starts_with($customerPhone,
        '0')) {
            $customerPhone = '62' .
            substr($customerPhone, 1);
        }

        $message = "";

        switch ($status) {
            case 'Menunggu Antrian':
                $message = "🔧 *Putra
                Jaya Motor*\n\nHalo
                $name,\n\nBooking servis Anda telah

```

```

diterima.\n\nKode Booking:
$Id\nStatus: MENUNGGU
ANTRIAN\n\nTerima kasih.";
                break;

            case 'Sedang Dikerjakan':
                $message = "🔧 *Putra
                Jaya Motor*\n\nHalo
                $name,\n\nMotor Anda sedang
                dikerjakan oleh teknisi
                kami.\n\nStatus: SEDANG
                DIKERJAKAN\n\nTerima kasih.";
                break;

            case 'Selesai':
                $message = "✅ *Putra
                Jaya Motor*\n\nHalo
                $name,\n\nServis motor Anda sudah
                selesai dan dapat diambil.\n\nStatus:
                SELESAI\n\nTerima kasih.";
                break;

            case 'Dibatalkan':
                $message = "❌ *Putra
                Jaya Motor*\n\nHalo
                $name,\n\nMohon maaf booking
                servis Anda dibatalkan.\n\nSilakan
                hubungi admin untuk informasi lebih
                lanjut.";
                break;
        }

        if ($message !== "") {
            send_whatapp_fonnte($customerPh
            one, $message, $id, $conn);
        }

        set_flash('success', 'Data
        booking berhasil diperbarui dan
        notifikasi WhatsApp pelanggan telah
        dikirim.');
```

```

        redirect('admin_dashboard.php');
    }
}

```

```

        if ($saction === 'delete_booking') {
            $id = filter_var($_POST['id'] ??
            null, FILTER_VALIDATE_INT);
            if ($id) {
                $stmt = $conn-
                >prepare('DELETE FROM
                service_bookings WHERE id = ?');
                $stmt->bind_param('i', $id);
                $stmt->execute();
                set_flash('success', 'Data
                booking berhasil dihapus.');
```

```

            }

            redirect('admin_dashboard.php');
        }

        if ($saction === 'payment_status') {
            $paymentId =
            filter_var($_POST['payment_id'] ??
            null, FILTER_VALIDATE_INT);
            $paymentStatus =
            trim($_POST['payment_status'] ?? "");

            if (!($paymentId ||
            !in_array($paymentStatus,
            $allowedPaymentStatuses, true))) {
                set_flash('danger', 'Status
                pembayaran tidak valid.');
```

```

            redirect('admin_dashboard.php#pay
            ments');
        }

        $paymentQuery = $conn-
        >prepare('SELECT
        p.metode_pembayaran,
        p.status_pembayaran,
        sb.booking_code, sb.name, sb.phone,
        sb.service_date, sb.service_time
        FROM pembayaran p JOIN
        service_bookings sb ON sb.id =
        p.booking_id WHERE p.id = ?
        LIMIT 1');
        $paymentQuery-
        >bind_param('i', $paymentId);
        $paymentQuery->execute();

```

```

        $paymentData =
        $paymentQuery->get_result()-
        >fetch_assoc();

        if (!$paymentData) {
            set_flash('danger', 'Data
            pembayaran tidak ditemukan.');
```

```

            redirect('admin_dashboard.php#pay
            ments');
        }

        $methodAllowedStatuses =
        $paymentData['metode_pembayaran'
        ] === 'Cash'
        ? ['Menunggu Pembayaran
        Tunai', 'Lunas', 'Ditolak']
        : ['Menunggu Verifikasi',
        'Lunas', 'Ditolak', 'Terverifikasi'];

        if (!in_array($paymentStatus,
        $methodAllowedStatuses, true)) {
            set_flash('danger', 'Status
            tersebut tidak sesuai dengan metode
            pembayaran.');
```

```

            redirect('admin_dashboard.php#pay
            ments');
        }

        $stmt = $conn-
        >prepare('UPDATE pembayaran
        SET status_pembayaran = ? WHERE
        id = ?');
        $stmt->bind_param('si',
        $paymentStatus, $paymentId);
        $stmt->execute();

        if (in_array($paymentStatus,
        ['Lunas', 'Terverifikasi'], true) &&
        $paymentData) {
            $message = "✅ *PUTRA
            JAYA MOTOR*\n\nHalo
            {$paymentData['name']},\n\nPembay
            aran booking servis Anda telah kami
            terima.\n\nKode

```

```

Booking:\n{$paymentData['booking
_code']}\n\nStatus
Pembayaran:\nLUNAS\n\nTanggal
Servis:\n{$paymentData['service_dat
e']}\n\nJam:\n{$paymentData['servic
e_time']}\n\nTerima kasih telah
menggunakan layanan kami.";

```

```

send_whatapp_fonnte(formatWhats
App($paymentData['phone']),
$message, $paymentId, $conn);
    }
    set_flash('success',
    $paymentStatus === 'Lunas' ?
    'Pembayaran berhasil ditandai lunas.'
    : 'Status pembayaran berhasil
    diperbarui.');
```

```

redirect('admin_dashboard.php#pay
ments');
    }
}
```

```

$stats = $conn->query("SELECT
COUNT(*) AS total,
SUM(status = 'Menunggu Antrian')
AS waiting,
SUM(status = 'Sedang Dikerjakan')
AS progress,
SUM(status = 'Selesai') AS done
FROM service_bookings")-
>fetch_assoc();
$pendingPayments = (int) ($conn-
>query("SELECT COUNT(*) AS
total FROM pembayaran WHERE
status_pembayaran IN ('Menunggu
Verifikasi', 'Menunggu Pembayaran
Tunai')")->fetch_assoc()['total'] ?? 0);
```

```

$q = trim($_GET['q'] ?? "");
$statusFilter = $_GET['status'] ?? "";
$sql = "SELECT sb.*, p.id AS
payment_id, p.status_pembayaran,
p.metode_pembayaran
FROM service_bookings sb
```

```

LEFT JOIN pembayaran p ON
p.id = (
SELECT p2.id FROM
pembayaran p2 WHERE
p2.booking_id = sb.id ORDER BY
p2.id DESC LIMIT 1
) WHERE 1=1";
```

```
$params = [];
```

```
$types = "";
```

```

if ($q !== "") {
    $sql .= ' AND (sb.booking_code
LIKE ? OR sb.name LIKE ? OR
sb.phone LIKE ? OR
sb.plate_number LIKE ?)';
    $like = '%' . $q . '%';
    $params = [$like, $like, $like,
$like];
    $types = 'ssss';
}
```

```

if (in_array($statusFilter,
$allowedStatuses, true)) {
    $sql .= ' AND sb.status = ?';
    $params[] = $statusFilter;
    $types .= 's';
}
```

```

$sql .= ' ORDER BY sb.id DESC
LIMIT 200';
$stmt = $conn->prepare($sql);
if ($params) {
    $stmt->bind_param($types,
...$params);
}
$stmt->execute();
$bookings = $stmt->get_result();
```

```

$edit = null;
$editId = filter_input(INPUT_GET,
'edit', FILTER_VALIDATE_INT);
if ($editId) {
    $stmtEdit = $conn-
>prepare('SELECT * FROM
service_bookings WHERE id = ?
LIMIT 1');
    $stmtEdit->bind_param('i',
$editId);
```

```

$stmtEdit->execute();
$edit = $stmtEdit->get_result()->fetch_assoc();
}

$payments = $conn->query('SELECT p.*,
sb.booking_code, sb.total_biaya,
sb.vehicle_type, sb.plate_number
FROM pembayaran p INNER JOIN
service_bookings sb ON sb.id =
p.booking_id ORDER BY p.id DESC
LIMIT 20');
$flash = get_flash();
?>
<!DOCTYPE html>
<html lang="id">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1.0">
    <title>Dashboard Admin | Putra
Jaya Motor</title>
    <link rel="preconnect"
href="https://fonts.googleapis.com">
    <link rel="preconnect"
href="https://fonts.gstatic.com"
crossorigin>
    <link
href="https://fonts.googleapis.com/cs
s2?family=Manrope:wght@400;500;
600;700;800&display=swap"
rel="stylesheet">
    <link rel="stylesheet"
href="assets/css/app.css">
</head>
<body class="admin-body">
<div class="admin-shell">
    <aside class="admin-sidebar">
        <a class="brand"
href="admin_dashboard.php"><span
class="brand-
mark">PJ</span><span><strong>Pu
tra Jaya</strong><small>Admin
Panel</small></span></a>

```

```

<nav class="admin-nav">
    <a class="active"
href="admin_dashboard.php">Dashb
oard</a>
    <a
href="admin_dashboard.php#bookin
gs">Data Booking</a>
    <a
href="admin_dashboard.php#payme
nts">Pembayaran</a>
    <a
href="laporan.php">Laporan</a>
    <a href="index.php"
target="_blank">Lihat Website</a>
    <a
href="admin_logout.php">Keluar</a
>
</nav>
</aside>

<main class="admin-main">
    <div class="admin-topbar">
        <div><h1>Dashboard
Admin</h1><p>Selamat datang, <?=
e($_SESSION['admin_username']);
?>.</p></div>
        <a class="btn"
href="laporan.php">Buka
Laporan</a>
    </div>

    <?php if ($flash): ?><div
class="alert alert-<?=
e($flash['type']); ?>" style="margin-
bottom:20px"><?=
e($flash['message']); ?></div><?php
endif; ?>

    <div class="stats-grid">
        <div class="stat-
card"><small>Total
Booking</small><strong><?= (int)
($stats['total'] ?? 0);
?></strong></div>
        <div class="stat-
card"><small>Menunggu</small><s

```

```

trong><?= (int) ($stats['waiting'] ??
0); ?></strong></div>
    <div class="stat-
card"><small>Dikerjakan</small><s
trong><?= (int) ($stats['progress'] ??
0); ?></strong></div>
    <div class="stat-
card"><small>Menunggu
Pembayaran</small><strong><?=
$pendingPayments;
?></strong></div>
    </div>

    <?php if ($edit): ?>
    <section class="panel" id="edit-
booking">
        <div class="panel-
head"><h2>Edit Booking <?=
e($edit['booking_code']); ?></h2><a
class="btn btn-small btn-secondary"
href="admin_dashboard.php">Tutup
</a></div>
        <form method="post">
            <input type="hidden"
name="csrf_token" value="<?=
e(csrf_token()); ?>">
            <input type="hidden"
name="action"
value="save_booking">
            <input type="hidden"
name="id" value="<?= (int)
$edit['id']; ?>">
            <div class="form-grid">
                <div class="form-
group"><label>Nama</label><input
class="form-control" type="text"
name="name" maxlength="120"
autocomplete="name" data-name-
only value="<?= e($edit['name']);
?>" required></div>
                <div class="form-
group"><label>Telepon</label><inp
ut class="form-control" type="tel"
name="phone" maxlength="15"
inputmode="numeric" pattern="[0-
9]{8,15}" autocomplete="tel" data-

```

```

phone-only value="<?=
e($edit['phone']);
?>"
required></div>
        <div class="form-
group"><label>Kendaraan</label><i
nput class="form-control"
name="vehicle_type" value="<?=
e($edit['vehicle_type']);
?>"
required></div>
        <div class="form-
group"><label>Nomor
Polisi</label><input class="form-
control" name="plate_number"
value="<?= e($edit['plate_number']);
?>" required></div>
        <div class="form-
group"><label>Jenis
Servis</label><input class="form-
control" name="service_type"
value="<?= e($edit['service_type']);
?>" required></div>
        <div class="form-
group"><label>Tanggal</label><inp
ut class="form-control" type="date"
name="service_date" value="<?=
e($edit['service_date']);
?>"
required></div>
        <div class="form-
group"><label>Jam</label><input
class="form-control" type="time"
name="service_time" value="<?=
e(substr($edit['service_time'], 0, 5));
?>" required></div>
        <div class="form-
group"><label>Total
Biaya</label><input class="form-
control" type="number" min="0"
step="1000" name="total_biaya"
value="<?= e($edit['total_biaya']);
?>" required></div>
        <div class="form-
group"><label>Status</label><select
class="form-control" name="status"
required><?php
foreach
($allowedStatuses as $status):
?><option value="<?= e($status); ?>"

```

```

<?= $edit['status'] === $status ?
'selected' : "; ?><?= e($status);
?></option><?php      endforeach;
?></select></div>

        <div class="form-group
full"><label>Keluhan</label><textar
ea          class="form-control"
name="complaint"      required><?=
e($edit['complaint']);
?></textarea></div>
    </div>
    <div          class="form-
actions"><button      class="btn"
type="submit">Simpan
Perubahan</button></div>
    </form>
</section>
<?php endif; ?>

    <section          class="panel"
id="bookings">
        <div          class="panel-
head"><div><h2>Data
Booking</h2><p      class="text-muted
mb-0">Maksimal      200      data
terbaru.</p></div></div>
        <form          class="filter-bar"
method="get"          style="margin-
bottom: 18px">
            <input      class="form-
control" type="search" name="q"
value="<?=          e($q);          ?>"
placeholder="Cari      kode,      nama,
telepon, atau nomor polisi">
            <select      class="form-
control"      name="status"><option
value="">Semua
status</option><?php      foreach
($allowedStatuses as $status):
?><option value="<?= e($status); ?>"
<?= $statusFilter === $status ?
'selected' : "; ?><?= e($status);
?></option><?php      endforeach;
?></select>
            <button      class="btn"
type="submit">Filter</button>

```

```

</form>
<div class="table-wrap">
    <table>

        <thead><tr><th>Kode</th><th>Pela
nggan</th><th>Kendaraan</th><th>
Jadwal</th><th>Status</th><th>Bia
ya</th><th>Pembayaran</th><th>A
ksi</th></tr></thead>
        <tbody>
            <?php if ($bookings-
>num_rows === 0): ?>
                <tr><td colspan="8"
class="empty-state">Belum ada data
yang sesuai.</td></tr>
                <?php else: while ($row
= $bookings->fetch_assoc()): ?>
                    <tr>
                        <td><strong><?=
e($row['booking_code']);
?></strong></td>
                        <td><?=
e($row['name']);          ?><br><small
class="text-muted"><?=
e($row['phone']); ?></small></td>
                        <td><?=
e($row['vehicle_type']);
?><br><small          class="text-
muted"><?=
e($row['plate_number']);
?></small></td>
                        <td><?=
e(format_date_id($row['service_date'
]));          ?><br><small      class="text-
muted"><?=
e(substr($row['service_time'], 0, 5));
?></small></td>
                        <td><span
class="status-pill          <?=
e(booking_status_class($row['status'
]));          ?>><?=          e($row['status']);
?></span></td>
                        <td><?=
e(rupiah($row['total_biaya']));
?></td>

```

```

        <td><?php if
($row['payment_id']):
?><strong><?=
e($row['metode_pembayaran']);
?></strong><br><small class="text-
muted"><?=
e(payment_status_label($row['status
_pembayaran'])); ?></small><?php
else: ?>-<?php endif; ?></td>

        <td><div
class="table-actions"><a class="btn
btn-small btn-secondary"
href="admin_dashboard.php?edit=<?
= (int) $row['id']; ?>#edit-
booking">Edit</a><form
class="inline-form"
method="post"><input
type="hidden" name="csrf_token"
value="<? = e(csrf_token());
?>"><input type="hidden"
name="action"
value="delete_booking"><input
type="hidden" name="id"
value="<? = (int) $row['id'];
?>"><button class="btn btn-small
btn-danger" type="submit" data-
confirm="Hapus data booking
ini?">Hapus</button></form></div>
</td>

        </tr>
        <?php endwhile; endif;
?>

        </tbody>
        </table>
        </div>
    </section>

    <section class="panel"
id="payments">
        <div class="panel-
head"><div><h2>Pembayaran
Terbaru</h2><p class="text-muted
mb-0">Verifikasi QRIS dan
konfirmasi penerimaan pembayaran
cash.</p></div></div>
        <div class="table-wrap">

```

```

        <table>
            <thead><tr><th>Kode
Booking</th><th>Pelanggan</th><t
h>Kendaraan</th><th>Metode</th>
<th>Jumlah</th><th>Tanggal</th><
th>Status</th><th>Aksi</th></tr></
thead>
            <tbody>
                <?php if ($payments-
>num_rows === 0): ?>
                    <tr><td colspan="8"
class="empty-state">Belum ada
pembayaran.</td></tr>
                <?php else: while
($payment = $payments-
>fetch_assoc()): ?>
                    <tr>
                        <td><? =
e($payment['booking_code']);
?></td>
                        <td><? =
e($payment['nama']); ?><br><small
class="text-muted"><? =
e($payment['no_hp']);
?></small></td>
                        <td><? =
e($payment['vehicle_type']);
?><br><small class="text-
muted"><? =
e($payment['plate_number']);
?></small></td>
                        <td><strong><? =
e($payment['metode_pembayaran']);
?></strong></td>
                        <td><? =
e(rupiah($payment['total_biaya']));
?></td>
                        <td><? =
e(format_datetime_id($payment['tan
ggal'])); ?></td>
                        <td><span
class="status-pill" <? =
e(payment_status_class($payment['st
atus_pembayaran'])); ?>"><? =
e(payment_status_label($payment['st

```

```

atus_pembayaran']));
?></span></td>
<td>
<div
class="table-actions">
<?php if
(in_array($payment['status_pembaya
ran'], ['Menunggu Verifikasi',
'Menunggu Pembayaran Tunai'],
true)): ?>
<form
method="post" class="inline-form">
<input
type="hidden" name="csrf_token"
value="<?= e(csrf_token()); ?>">
<input
type="hidden" name="action"
value="payment_status">
<input
type="hidden" name="payment_id"
value="<?= (int) $payment['id']; ?>">
<input
type="hidden"
name="payment_status"
value="Lunas">
<button
class="btn btn-small" type="submit"
data-confirm="Pastikan pembayaran
sudah diterima. Tandai sebagai
lunas?">Tandai Lunas</button>
</form>
<?php endif;
?>
<form
method="post" class="table-
actions">
<input
type="hidden" name="csrf_token"
value="<?= e(csrf_token()); ?>">
<input
type="hidden" name="action"
value="payment_status">
<input
type="hidden" name="payment_id"
value="<?= (int) $payment['id']; ?>">

```

```

<select
class="form-control"
name="payment_status" style="min-
width:205px;min-
height:36px;padding:6px 9px">
<?php if
($payment['status_pembayaran'] ===
'Terverifikasi'): ?>
<option value="Terverifikasi"
selected>Lunas</option>
<?php
endif; ?>
<?php
foreach ($paymentStatusOptions as
$paymentStatus): ?>
<?php
$validForMethod =
$payment['metode_pembayaran']
=== 'Cash'
?
in_array($paymentStatus,
['Menunggu Pembayaran Tunai',
'Lunas', 'Ditolak'], true)
:
in_array($paymentStatus,
['Menunggu Verifikasi', 'Lunas',
'Ditolak'], true);
if
(!$validForMethod) { continue; }
?>
<option value="<?=
e($paymentStatus); ?>" <?=
$payment['status_pembayaran'] ===
$paymentStatus ? 'selected' : ";
?><?=
e($paymentStatus);
?></option>
<?php
endforeach; ?>
</select>
<button
class="btn btn-small btn-secondary"
type="submit">Simpan
Status</button>

```

```

        </form>
    </div>
</td>
</tr>
<?php endwhile; endif;
?>
</tbody>
</table>
</div>
</section>
</main>
</div>
<script
src="assets/js/app.js"></script>
</body>
</html>

```

booking.php

```

<?php

error_reporting(E_ALL);
ini_set('display_errors', 1);

require_once __DIR__ .
'/koneksi.php';
require_once __DIR__ .
'/helpers.php';

require_user();

if
($ _SERVER['REQUEST_METHOD
'] === 'POST') {
    verify_csrf();

    $name = trim($_POST['name'] ??
    '');
    $phone = trim($_POST['phone'] ??
    '');
    $vehicleType =
    trim($_POST['vehicle_type'] ?? '');
    $plateNumber =
    strtoupper(trim($_POST['plate_num
    ber'] ?? ''));

```

```

    $serviceType =
    trim($_POST['service_type'] ?? '');
    $serviceDate =
    $_POST['service_date'] ?? '';
    $serviceTime =
    $_POST['service_time'] ?? '';
    $complaint =
    trim($_POST['complaint'] ?? '');

    $allowedServices = ['Servis
    Mesin', 'Ganti Oli', 'Servis Ringan',
    'Servis Kelistrikan', 'Perbaikan
    Lainnya'];
    $today = date('Y-m-d');

    if
    (!is_valid_person_name($name)) {
        set_flash('danger', 'Nama
    pelanggan hanya boleh berisi huruf,
    spasi, titik, apostrof, atau tanda
    hubung (3-120 karakter).');
        redirect('booking.php');
    }
    if (!is_valid_phone($phone)) {
        set_flash('danger', 'Nomor
    telepon harus terdiri dari 8 sampai 15
    angka dan tidak boleh mengandung
    huruf.');
```

```

        if (mb_strlen($complaint) < 5) {
            set_flash('danger', 'Jelaskan
            keluhan kendaraan minimal lima
            karakter.');
```

```

            redirect('booking.php');
        }

        $bookingCode =
        generate_booking_code();
        $userId = (int)
        $_SESSION['user_id'];
        $stmt = $conn->prepare('INSERT
        INTO service_bookings (user_id,
        booking_code, name, phone,
        vehicle_type, plate_number,
        service_type, service_date,
        service_time, complaint) VALUES
        (?, ?, ?, ?, ?, ?, ?, ?, ?, ?)');
        $stmt->bind_param('issssssss',
        $userId, $bookingCode, $name,
        $phone, $vehicleType,
        $plateNumber, $serviceType,
        $serviceDate, $serviceTime,
        $complaint);
```

```

        if ($stmt->execute()) {

            $bookingId = $conn->insert_id;

            $message =
            "🔧 BOOKING SERVIS
            BARU Putra Jaya Motor\n\n" .
            "Kode Booking:
            $bookingCode\n" .
            "Nama: $name\n" .
            "Nomor HP: $phone\n" .
            "Motor: $vehicleType\n" .
            "Plat Nomor: $plateNumber\n" .
            "Jenis Servis: $serviceType\n" .
            "Tanggal: $serviceDate\n" .
            "Jam: $serviceTime\n" .
            "Keluhan: $complaint";
```

```

        send_whatsapp_fonnte(
            whatsapp_admin_number(),
```

```

            $message,
            $bookingId,
            $conn
        );
```

```

        set_flash(
            'success',
            'Booking berhasil dibuat dengan
            kode ' . $bookingCode
        );
```

```

        redirect('status.php?keyword=' .
        urlencode($bookingCode));
    }
}
```

```

        set_flash('danger', 'Booking gagal
        disimpan. Silakan coba kembali.');
```

```

        redirect('booking.php');
    }

    $pageTitle = 'Booking Servis';
    $activePage = 'booking';
    require __DIR__ .
    '/partials/header.php';
    ?>
```

```

<section class="page-hero">
    <div class="container page-hero-
    grid">
```

```

        <div>
            <span
            class="eyebrow">Reservasi
            pelanggan</span>
            <h1>Booking Servis</h1>
            <p>Pilih jadwal yang tersedia
            dan tuliskan keluhan secara jelas agar
            pemeriksaan awal lebih efektif.</p>
        </div>
```

```

        <span class="code-
        badge">Akun: <?=
        e($_SESSION['username']);
        ?></span>
        </div>
    </section>
```

```

<section class="page-content">
```

```

<div class="container">
  <div class="panel">
    <div class="panel-head">
      <div>
        <h2 class="mt-0">Form
Booking</h2>
        <p class="text-muted
mb-0">Kolom bertanda wajib harus
diisi.</p>
      </div>
    </div>
    <form method="post">
      <input type="hidden"
name="csrf_token" value="<?=
e(csrf_token()); ?>">
      <div class="form-grid">
        <div class="form-
group">
          <label
for="name">Nama Lengkap</label>
          <input class="form-
control" id="name" type="text"
name="name" maxlength="120"
autocomplete="name" data-name-
only required>
        </div>
        <div class="form-
group">
          <label
for="phone">Nomor
Telepon</label>
          <input class="form-
control" id="phone" type="tel"
name="phone" maxlength="15"
inputmode="numeric" pattern="[0-
9]{8,15}" autocomplete="tel" data-
phone-only
placeholder="08xxxxxxxxxx"
required>
        </div>
        <div class="form-
group">
          <label
for="vehicle_type">Merk
Motor</label>

```

```

      <select class="form-
control" id="vehicle_type"
name="vehicle_type" required>
        <option
value="">Pilih Merk Motor</option>
        <option>Honda</option><option>Y
amaha</option><option>Kawasaki<
/option>
        <option>Suzuki</option><option>M
otor Lainnya</option>
      </select>
    </div>
    <div class="form-
group">
      <label
for="vehicle_type">Tipe
Motor</label>
      <input class="form-
control" id="vehicle_type"
type="text" name="vehicle_type"
maxlength="120"
placeholder="Contoh: Honda Vario
160" required>
    </div>
    <div class="form-
group">
      <label
for="plate_number">Nomor
Polisi</label>
      <input class="form-
control" id="plate_number"
type="text" name="plate_number"
maxlength="20"
placeholder="Contoh: B 1234 XYZ"
required>
    </div>
    <div class="form-
group">
      <label
for="service_type">Jenis
Layanan</label>
      <select class="form-
control" id="service_type"
name="service_type" required>

```

```

        <option
value="">Pilih layanan</option>
        <option>Servis
Mesin</option>
        <option>Ganti
Oli</option>
        <option>Servis
Ringan</option>
        <option>Servis
Kelistrikan</option>
        <option>Perbaikan
Lainnya</option>
    </select>
</div>
<div class="form-
group">
    <label
for="service_date">Tanggal
Servis</label>
    <input class="form-
control" id="service_date"
type="date" name="service_date"
min="<?= date('Y-m-d'); ?>"
required>
    </div>
<div class="form-
group">
    <label
for="service_time">Jam
Servis</label>
    <input class="form-
control" id="service_time"
type="time" name="service_time"
min="08:00" max="17:00" required>
    <span class="form-
hint">Jam operasional 08.00 sampai
17.00.</span>
    </div>
<div class="form-group
full">
    <label
for="complaint">Keluhan
Kendaraan</label>
    <textarea
class="form-control" id="complaint"
name="complaint"

```

```

maxlength="1000"
placeholder="Jelaskan gejala, bunyi,
bagian yang bermasalah, atau layanan
yang dibutuhkan."
required></textarea>
    </div>
</div>
<div class="form-actions">
    <button class="btn"
type="submit">Simpan
Booking</button>
    <a class="btn btn-
secondary" href="status.php">Lihat
Status</a>
</div>
</form>
</div>
</section>
<?php require __DIR__ .
'/partials/footer.php'; ?>

```

laporan.php

```

<?php
require_once __DIR__ .
'/helpers.php';
require_once __DIR__ .
'/koneksi.php';
require_admin();

$allowedStatuses = ['Menunggu
Antrian', 'Sedang Dikerjakan',
'Selesai', 'Dibatalkan'];
$dateFrom = $_GET['date_from'] ??
'';
$dateTo = $_GET['date_to'] ?? '';
$status = $_GET['status'] ?? '';
$vehicleType =
$_GET['vehicle_type'] ?? '';

$sql = "SELECT sb.*,
p.metode_pembayaran,
p.status_pembayaran
FROM service_bookings sb

```

```

        LEFT JOIN pembayaran p ON
        p.id = (
            SELECT p2.id FROM
            pembayaran p2
            WHERE p2.booking_id =
            sb.id
            ORDER BY p2.id DESC
            LIMIT 1
        )
        WHERE 1=1";
$params = [];
$types = "";
if ($dateFrom !== "") { $sql .= ' AND
sb.service_date >= ?'; $params[] =
$dateFrom; $types .= 's'; }
if ($dateTo !== "") { $sql .= ' AND
sb.service_date <= ?'; $params[] =
$dateTo; $types .= 's'; }
if (in_array($status,
$allowedStatuses, true)) { $sql .= '
AND sb.status = ?'; $params[] =
$status; $types .= 's'; }
if ($vehicleType !== "") { $sql .= '
AND sb.vehicle_type = ?'; $params[]
= $vehicleType; $types .= 's'; }
$sql .= ' ORDER BY sb.service_date
DESC, sb.service_time DESC';
$stmt = $conn->prepare($sql);
if ($params) { $stmt->bind_param($types, ...$params); }
$stmt->execute();
$result = $stmt->get_result();

$rows = [];
$totalPaidRevenue = 0;
while ($row = $result->fetch_assoc())
{
    $rows[] = $row;
    if
    (in_array($row['status_pembayaran']
    ?? "", ['Lunas', 'Terverifikasi'], true)) {
        $totalPaidRevenue += (float)
        $row['total_biaya'];
    }
}
$autoPrint = isset($_GET['print']);

```

```

?>
<!DOCTYPE html>
<html lang="id">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
    content="width=device-width,
    initial-scale=1.0">
    <title>Laporan Servis | Putra Jaya
    Motor</title>
    <link rel="preconnect"
    href="https://fonts.googleapis.com">
    <link rel="preconnect"
    href="https://fonts.gstatic.com"
    crossorigin>
    <link
    href="https://fonts.googleapis.com/cs
    s2?family=Manrope:wght@400;500;
    600;700;800&display=swap"
    rel="stylesheet">
    <link rel="stylesheet"
    href="assets/css/app.css">
</head>
<body class="admin-body" <?=$autoPrint
?
'onload="window.print()" : "; ?>>
<div class="admin-shell">
    <aside class="admin-sidebar no-
    print">
        <a class="brand"
        href="admin_dashboard.php"><span
        class="brand-
        mark">PJ</span><span><strong>Pu
        tra Jaya</strong><small>Admin
        Panel</small></span></a>
        <nav class="admin-nav"><a
        href="admin_dashboard.php">Dashb
        oard</a><a class="active"
        href="laporan.php">Laporan</a><a
        href="index.php"
        target="_blank">Lihat
        Website</a><a
        href="admin_logout.php">Keluar</a
        ></nav>
    </aside>
    <main class="admin-main">

```

```

<div class="admin-topbar">
    <div><h1>Laporan Booking
    Servis</h1><p>Putra Jaya Motor,
    dicetak <?= e(date('d-m-Y H:i'));
    ?>.</p></div>
    <button          class="btn"
    type="button"
    onclick="window.print()">Cetak
    Laporan</button>
</div>

```

```

<section class="panel no-
print">
    <form          class="filter-bar"
    method="get">
        <input          class="form-
        control"          type="date"
        name="date_from"    value="<?=
        e($dateFrom); ?>">
        <input          class="form-
        control" type="date" name="date_to"
        value="<?= e($dateTo); ?>">
        <select          class="form-
        control" name="vehicle_type">
        <option value="">Semua Jenis
        Motor</option>
        <option>Honda
        Beat</option><option>Honda
        Vario</option><option>Honda
        Scoopy</option>
        <option>Honda
        PCX</option><option>Yamaha
        NMAX</option><option>Yamaha
        Aerox</option>
        <option>Yamaha
        Mio</option><option>Motor
        Lainnya</option>
        </select>

```

```

        <select          class="form-
        control"          name="status"><option
        value="">Semua
        status</option><?php          foreach
        ($allowedStatuses as $item):
        ?><option value="<?= e($item); ?>"
        <?= $status === $item ? 'selected' : '';

```

```

?><?> e($item); ?></option><?php
endforeach; ?></select>
        <button          class="btn"
        type="submit">Terapkan
        Filter</button>
        </form>
    </section>

```

```

<section class="panel">
    <div class="panel-head">
        <div><h2>Rekap
        Data</h2><p class="text-muted mb-
        0">Jumlah booking: <?=
        count($rows); ?>. Total pembayaran
        lunas: <?=
        e(rupiah($totalPaidRevenue));
        ?>.</p></div>
        </div>
        <div class="table-wrap">
            <table>

```

```

<thead><tr><th>No.</th><th>Kode
</th><th>Pelanggan</th><th>Kenda
raan</th><th>Layanan</th><th>Jad
wal</th><th>Biaya</th><th>Status
Servis</th><th>Metode</th><th>Sta
tus Bayar</th></tr></thead>

```

```

        <tbody>
        <?php if (!$rows): ?>
            <tr><td colspan="10"
            class="empty-state">Tidak ada data
            pada filter ini.</td></tr>

```

```

        <?php else: foreach
        ($rows as $index => $row): ?>

```

```

            <tr>
                <td><?= $index +
                1; ?></td>

```

```

                <td><?=
                e($row['booking_code']); ?></td>

```

```

                <td><?=
                e($row['name']); ?><br><small><?=
                e($row['phone']); ?></small></td>

```

```

                <td><?=
                e($row['vehicle_type']);
                ?><br><small><?=

```

```

e($row['plate_number']);
?></small></td>
        <td><?=
e($row['service_type']); ?></td>
        <td><?=
e(format_date_id($row['service_date'
]));
        ?><br><small><?=
e(substr($row['service_time'], 0, 5));
?></small></td>
        <td><?=
e(rupiah($row['total_biaya']));
?></td>
        <td><?=
e($row['status']); ?></td>
        <td><?=
e($row['metode_pembayaran'] ? : '-');
?></td>
        <td><?=
e($row['status_pembayaran'] ?
payment_status_label($row['status_p
embayaran']) : '-'); ?></td>
    </tr>
    <?php endforeach; endif;
?>
    </tbody>
</table>
</div>
</section>
</main>
</div>
</body>
</html>

```

pembayaran.php

```

<?php
require_once    __DIR__    .
'/helpers.php';
require_once    __DIR__    .
'/koneksi.php';

$id = filter_input(INPUT_GET, 'id',
FILTER_VALIDATE_INT);
if (!$id) {

```

```

    set_flash('danger', 'ID booking
tidak valid.');
```

```

    redirect('status.php');
```

```

}
```

```

$stmt = $conn->prepare('SELECT *
FROM service_bookings WHERE id
= ? LIMIT 1');
```

```

$stmt->bind_param('i', $id);
```

```

$stmt->execute();
```

```

$booking = $stmt->get_result()-
>fetch_assoc();
```

```

if (!$booking) {
```

```

    set_flash('danger', 'Data booking
tidak ditemukan.');
```

```

    redirect('status.php');
```

```

}
```

```

$paymentCheck = $conn-
>prepare('SELECT id FROM
pembayaran WHERE booking_id = ?
ORDER BY id DESC LIMIT 1');
```

```

$paymentCheck->bind_param('i',
$id);
```

```

$paymentCheck->execute();
```

```

if ($paymentCheck->get_result()-
>num_rows > 0) {
```

```

    set_flash('info', 'Metode
pembayaran untuk booking ini sudah
tercatat.');
```

```

    redirect('nota.php?id=' . $id);
```

```

}
```

```

if ($booking['status'] !== 'Selesai' ||
(float) $booking['total_biaya'] <= 0) {
```

```

    set_flash('warning', 'Pembayaran
belum tersedia karena servis belum
selesai atau biaya belum ditetapkan.');
```

```

    redirect('status.php?keyword=' .
urlencode($booking['booking_code']
));
```

```

}
```

```

if
($_SERVER['REQUEST_METHOD']
=== 'POST') {
    verify_csrf();
    $address = trim($_POST['alamat']
?? ');
    $method = trim($_POST['metode']
?? ');
    $allowedMethods = ['QRIS',
'Cash'];

    if (mb_strlen($address) < 5) {
        set_flash('danger', 'Alamat wajib
diisi minimal lima karakter. ');
        redirect('pembayaran.php?id=' .
$Id);
    }

    if (!in_array($method,
$allowedMethods, true)) {
        set_flash('danger', 'Pilih metode
pembayaran QRIS atau
Cash/Tunai. ');
        redirect('pembayaran.php?id=' .
$Id);
    }

    $paymentStatus = $method ===
'Cash'
        ? 'Menunggu Pembayaran Tunai'
        : 'Menunggu Verifikasi';

    $insert = $conn->prepare('INSERT
INTO pembayaran (booking_id,
nama, no_hp, alamat,
metode_pembayaran,
status_pembayaran) VALUES (?, ?,
?, ?, ?, ?)');
    $insert->bind_param('isssss', $Id,
$booking['name'], $booking['phone'],
$address, $method, $paymentStatus);

    if ($insert->execute()) {
        if ($method === 'Cash') {

```

```

            set_flash('success', 'Pilihan
pembayaran tunai berhasil dicatat.
Silakan bayar di kasir bengkel. ');
        } else {
            set_flash('success',
'Konfirmasi pembayaran QRIS
berhasil dicatat dan menunggu
verifikasi admin. ');
        }
        redirect('nota.php?id=' . $Id);
    }

    set_flash('danger', 'Pembayaran
gagal disimpan. Silakan coba
kembali. ');
    redirect('pembayaran.php?id=' .
$Id);
}

$pageTitle = 'Pembayaran Servis';
$activePage = 'status';
require __DIR__ .
'/partials/header.php';
?>
<section class="page-hero">
    <div class="container page-hero-
grid">
        <div>
            <span
class="eyebrow">Pembayaran
layanan</span>
            <h1>Pilih Metode
Pembayaran</h1>
            <p>Bayar melalui QRIS atau
pilih Cash/Tunai untuk melakukan
pembayaran langsung di kasir
bengkel.</p>
        </div>
        <span class="code-badge"><?=
e($booking['booking_code']);
?></span>
    </div>
</section>

<section class="page-content">

```

```

<div class="container payment-
grid">
  <div class="panel">
    <div class="panel-
head"><h2>Ringkasan
Servis</h2></div>
    <div class="summary-list">
      <div class="summary-
row"><span>Pelanggan</span><stro
ng><?= e($booking['name']);
?></strong></div>
      <div class="summary-
row"><span>Kendaraan</span><str
ong><?=
e($booking['vehicle_type']); ?>, <?=
e($booking['plate_number']);
?></strong></div>
      <div class="summary-
row"><span>Layanan</span><stron
g><?= e($booking['service_type']);
?></strong></div>
      <div class="summary-
row"><span>Jadwal</span><strong
><?=
e(format_date_id($booking['service_
date'])); ?>, <?=
e(substr($booking['service_time'], 0,
5)); ?></strong></div>
      <div class="summary-row
total"><span>Total
Tagihan</span><strong><?=
e(rupiah($booking['total_biaya']));
?></strong></div>
    </div>
  </div>

  <div class="panel">
    <div class="panel-
head"><h2>Konfirmasi
Pembayaran</h2></div>
    <form method="post" data-
payment-form>
      <input type="hidden"
name="csrf_token" value="<?=
e(csrf_token()); ?>">

```

```

<div class="form-group">
  <label
for="metode">Metode
Pembayaran</label>
  <select class="form-
control" id="metode"
name="metode" required data-
payment-method>
    <option
value="">Pilih metode
pembayaran</option>
    <option
value="QRIS">QRIS</option>
    <option
value="Cash">Cash/Tunai</option>
  </select>
  <p class="form-
hint">Pilih salah satu metode.
Tombol tetap dapat digunakan
meskipun JavaScript browser tidak
aktif.</p>
</div>

<noscript>
  <div class="alert alert-
info">JavaScript tidak aktif. Pilih
metode pembayaran, isi alamat, lalu
tekan tombol Simpan Metode
Pembayaran.</div>
</noscript>

  <div class="payment-
method-panel qris-box" data-method-
panel="QRIS" hidden>
    
    <strong>Scan QRIS
Putra Jaya Motor</strong>
    <p class="text-
muted">Bayar sesuai total tagihan,
lalu klik tombol konfirmasi di
bawah.</p>
    <p class="form-
hint">Ganti file

```

```
<code>assets/images/qris.jpeg</code>  
> dengan QRIS resmi bengkel.</p>  
</div>
```

```
    <div class="payment-  
method-panel cash-box" data-  
method-panel="Cash" hidden>  
        <div class="cash-icon"  
aria-hidden="true">Rp</div>  
        <strong>Bayar Tunai di  
Kasir</strong>  
        <p class="text-  
muted">Pilihan cash akan dicatat  
sebagai menunggu pembayaran tunai.  
Admin akan mengubah status  
menjadi Lunas setelah uang  
diterima.</p>  
    </div>
```

```
    <div class="form-group"  
style="margin-top:20px">  
        <label  
for="alamat">Alamat  
Pelanggan</label>  
        <textarea class="form-  
control" id="alamat" name="alamat"  
maxlength="500"  
required></textarea>  
    </div>
```

```
    <div class="form-actions">  
        <button class="btn"  
type="submit" data-payment-  
submit>Simpan Metode  
Pembayaran</button>  
        <a class="btn btn-  
secondary"  
href="status.php?keyword=<?=  
urlencode($booking['booking_code']  
> ?>">Kembali</a>  
    </div>  
</form>  
</div>  
</div>  
</section>
```

```
<?php require __DIR__ .  
'/partials/footer.php'; ?>
```



SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER
AMIKOM SURAKARTA
www.amikomsolo.ac.id amikomsolo@amikomsolo.ac.id

LEMBAR REVISI
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TA. 2025/2026
JENJANG DIPLOMA III

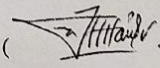
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NOMOR MAHASISWA : 2312030607
PROGRAM STUDI : Manajemen Informatika
HARI, TGL : Senin, 24 Agustus 2026
BATAS AKHIR REVISI : **Senin, 07 September 2026**
JUDUL TUGAS AKHIR : Aplikasi Booking Service Berbasis Web pada Bengkel Putra Jaya Motor Klaten
NAMA PEMBIMBING TA : 1. Siti Rihastuti, M.Kom
2. Siti Rihastuti, M.Kom

NO	URAIAN	KET
1.	Daftar isi, di'hapuskan (tidak tebal)	✓
2.	Catatan wa / Chatbot, FAQ	✓
3.	Rating dinailkan tambah bintang 5	✓

Penguji : EKO HARIADI, M.Kom () *

*) Ditandatangani oleh penguji setelah selesai Ujian Pendadaran

Telah selesai dilakukan revisi pada tanggal : 31 Agustus 2026

Penguji : EKO HARIADI, M.Kom () **

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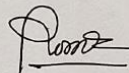
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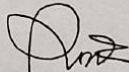
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NOMOR MAHASISWA : 2312030607
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NAMA PEMBIMBING TA : 1. Siti Rihasuti, M.Kom
2. Siti Rihasuti, M.Kom

NO	URAIAN	KET
1	Tambah titik & letakkan di akhir setelah referensi	Per
2	flowchart Manual & sequence dgn simbol yang sesuai referensi	
3	Hal 33 Erd simbol nya di sequence	

Penguji : Afnan Rosyid, ST.M.Kom () *

*) Ditandatangani oleh penguji setelah selesai Ujian Pendadaran

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Penguji : Afnan Rosyid, ST.M.Kom () **

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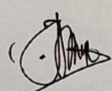
NAMA : NADZAR WISNU PRASETYA
NOMOR MAHASISWA : 2312030607
PROGRAM STUDI : Manajemen Informatika
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2. Siti Rihastuti, M.Kom

NO	URAIAN	KET
	Di perbaiki sesuai dengan arahan dari penguji	

Penguji : Siti Rihastuti, M.Kom () *

) Ditandatangani oleh penguji setelah selesai Ujian Pendadaran

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Penguji : Siti Rihastuti, M.Kom () **

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