# LAMPIRAN

**Index.php**

```
<!DOCTYPE html>
<html lang="id">
<head>
<meta charset="UTF-8">
    <title>Launcher  Aplikasi
Warna</title>
    <style>
        body {
            margin: 0;
            padding: 0;
                 font-family:
'Segoe UI', sans-serif;
                  background:
linear-gradient(135deg,
#74ebd5, #ACB6E5);
            height: 100vh;
            display: flex;
             justify-content:
center;
                align-items:
center;
        }
        .container {
                  background:
white;
            padding: 40px;
               border-radius:
16px;
                box-shadow:  0
10px 30px rgba(0,0,0,0.2);
                  text-align:
center;
                   max-width:
400px;
        }
        h1 {
            color: #333;
               margin-bottom:
30px;
            font-size: 28px;
        }
        button {
            width: 100%;
            padding: 15px;
            font-size: 16px;
            border: none;
               border-radius:
8px;
            cursor: pointer;
                  background:
#28a745;
            color: white;
             transition: 0.3s
ease;
        }
        button:hover {
                  background:
#218838;
        }
    </style>
</head>
<body>
<div class="container">
    <h1>🎨 Selamat Datang di
Aplikasi Warna</h1>
                    <button
onclick="window.open('launch
er.html',          '_blank',
'width=1000,height=700')">
        🚀 Jalankan Aplikasi
    </button>
</div>
</body>
</html>
```

**Home.php**

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
     <title>Beranda Aplikasi
Warna</title>
    <style>
        body {
            margin: 0;
            padding: 0;
                 font-family:
'Segoe UI', sans-serif;
                  background:
linear-gradient(135deg,
#74ebd5, #ACB6E5);
            height: 100vh;
            display: flex;
             justify-content:
center;
                align-items:
center;
        }
        .container {
                  background:
white;
            padding: 40px;
               border-radius:
16px;
                box-shadow: 0
10px 30px rgba(0,0,0,0.2);
                  text-align:
center;
                   max-width:
400px;
        }
        h1 {
            color: #333;
               margin-bottom:
30px;
            font-size: 28px;
        }
        button {
            width: 100%;
            padding: 15px;
            margin: 10px 0;
            font-size: 16px;
            border: none;
               border-radius:
8px;
            cursor: pointer;
             transition: 0.3s
ease;
        }
         .start { background:
#28a745; color: white; }
             .start:hover  {
background: #218838; }

         .about { background:
#007bff; color: white; }
             .about:hover  {
background: #0056b3; }

          .exit { background:
#dc3545; color: white; }
              .exit:hover  {
background: #c82333; }
    </style>
</head>
<body>

<div class="container">
      <h1>🎨 Aplikasi Warna
RGB & CMYK</h1>
       <button class="start"
onclick="location.href='mix7
.php'">🔧 Mulai</button>
       <button class="about"
onclick="location.href='abou
t.php'">📘 Tentang
Aplikasi</button>
       <button class="exit"
onclick="window.close()">🚪
Keluar</button>
</div>

</body>
</html>
```

**About.php**

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
     <title>Tentang Aplikasi Warna</title>
    <style>
        body {
            margin: 0;
                 font-family: 'Segoe UI', sans-serif;
                  background: linear-gradient(120deg, #f6d365, #fda085);
            color: #333;
        }
        .content {
                  background: rgba(255,255,255,0.95);
                margin: 50px auto;
               padding: 30px 40px;
               border-radius: 12px;
                    max-width: 700px;
               box-shadow: 0 8px 20px rgba(0,0,0,0.1);
        }
        h2 {
                   text-align: center;
            color: #444;
               margin-bottom: 25px;
        }
        p {
                 line-height: 1.7;
               margin-bottom: 15px;
        }
        .btn-container {
                   text-align: center;
                   margin-top: 30px;
        }
        button {
                padding: 10px 20px;
            margin: 5px;
            font-size: 15px;
            border: none;
               border-radius: 6px;
            cursor: pointer;
             transition: 0.3s ease;
        }
         .home { background: #17a2b8; color: white; }
              .home:hover { background: #138496; }

          .exit { background: #dc3545; color: white; }
              .exit:hover { background: #c82333; }
    </style>
</head>
<body>

<div class="content">
     <h2>🔍 Tentang Aplikasi Warna RGB & CMYK</h2>

      <p><strong>RGB</strong> (Red, Green, Blue) adalah model warna aditif yang digunakan untuk tampilan digital seperti layar komputer dan televisi. Warna-warna ini dihasilkan dari pencampuran cahaya.</p>

     <p><strong>CMYK</strong> (Cyan, Magenta, Yellow, Key/Black) digunakan dalam sistem cetak, di mana warna dicetak menggunakan tinta. Model ini bersifat subtraktif karena warna dibuat dengan mengurangi cahaya dari putih.</p>

          <p>Aplikasi ini memungkinkan pengguna untuk memilih warna RGB dan nilai
```

```
CMYK,                kemudian
menggabungkannya.       Warna
hasil            penggabungan
dikonversi     ulang     untuk
melihat kombinasi visual dan
komposisi warnanya.</p>

          <div    class="btn-
container">
         <button class="home"
onclick="location.href='home
.php'">⬅      Kembali      ke
Home</button>
    </div>
</div>

</body>
</html>
```

**Mix7.php**

```
<?php
function hexToRgb($hex) {
    $hex = ltrim($hex, '#');
    if (strlen($hex) == 3) {
                        $r    =
hexdec(str_repeat(substr($he
x,0,1),2));
                        $g    =
hexdec(str_repeat(substr($he
x,1,1),2));
                        $b    =
hexdec(str_repeat(substr($he
x,2,1),2));
    } else {
                        $r    =
hexdec(substr($hex,0,2));
                        $g    =
hexdec(substr($hex,2,2));
                        $b    =
hexdec(substr($hex,4,2));
    }
      return  array($r,  $g,
$b);
}

function  RGB_to_CMYK($R,  $G,
$B) {
    $R_prime = $R / 255;
    $G_prime = $G / 255;
    $B_prime = $B / 255;

     $K  =  1  -  max($R_prime,
$G_prime, $B_prime);

    if ($K == 1) {
        $C = 0;
        $M = 0;
        $Y = 0;
    } else {
        $C = (1 - $R_prime -
$K) / (1 - $K);
        $M = (1 - $G_prime -
$K) / (1 - $K);
        $Y = (1 - $B_prime -
$K) / (1 - $K);
    }

    return array(
        'C'  =>  round($C  *
100),
        'M'  =>  round($M  *
100),
        'Y'  =>  round($Y  *
100),
        'K'  =>  round($K  *
100)
    );
}

function  CMYK_to_RGB($C,  $M,
$Y, $K) {
    $C /= 100;
    $M /= 100;
    $Y /= 100;
    $K /= 100;

     $R  =  round(255  *  (1  -
$C) * (1 - $K));
     $G  =  round(255  *  (1  -
$M) * (1 - $K));
     $B  =  round(255  *  (1  -
$Y) * (1 - $K));

      return  array($R,  $G,
$B);
}

$hasil = null;
if
($_SERVER['REQUEST_METHOD']
=== 'POST') {
              $RGBHex      =
$_POST['warna_rgb'];
     list($R1,  $G1,  $B1)  =
hexToRgb($RGBHex);

                  $C       =
intval($_POST['cmyk_c']);
                  $M       =
intval($_POST['cmyk_m']);
                  $Y       =
intval($_POST['cmyk_y']);
                  $K       =
intval($_POST['cmyk_k']);

         $CMYK_from_RGB1   =
RGB_to_CMYK($R1, $G1, $B1);
     list($R2,  $G2,  $B2)  =
CMYK_to_RGB($C, $M, $Y, $K);
```

```
    $R_mix = round(($R1 + $R2) / 2);
    $G_mix = round(($G1 + $G2) / 2);
    $B_mix = round(($B1 + $B2) / 2);

    $CMYK_mix = RGB_to_CMYK($R_mix, $G_mix, $B_mix);

    $hasil = [
        'RGB1' => [$R1, $G1, $B1],
        'CMYK_from_RGB1' => $CMYK_from_RGB1,
        'RGB2' => [$R2, $G2, $B2],
        'CMYK_input' => [$C, $M, $Y, $K],
        'RGB_mix' => [$R_mix, $G_mix, $B_mix],
        'CMYK_mix' => $CMYK_mix,
        'RGBHex' => $RGBHex
    ];
}
?>

<!DOCTYPE html>
<html lang="id">
<head>
<meta charset="UTF-8">
<title>🔧 Penggabungan Warna RGB & CMYK</title>
<style>
    body {
        margin: 0;
        font-family: 'Segoe UI', sans-serif;
        background: linear-gradient(135deg, #f8ffae, #43c6ac);
        padding: 30px;
        color: #2c3e50;
    }

    .container {
        max-width: 900px;
        margin: auto;
        background: rgba(255, 255, 255, 0.95);
        padding: 30px;
        border-radius: 16px;
        box-shadow: 0 8px 20px rgba(0,0,0,0.15);
    }

    .top-buttons {
        display: flex;
        justify-content: flex-end;
        gap: 10px;
        margin-bottom: 20px;
    }

    .top-buttons button {
        padding: 10px 18px;
        border: none;
        border-radius: 8px;
        cursor: pointer;
        font-weight: bold;
        color: white;
        transition: 0.3s;
    }

    .btn-home { background: #007bff; }
    .btn-refresh { background: #ffc107; color: #333; }
    .btn-home:hover, .btn-refresh:hover { opacity: 0.85; }

    h2, h3 {
        text-align: center;
        margin-bottom: 25px;
    }

    form {
        background: #fff;
        padding: 25px;
        border-radius: 12px;
        box-shadow: 0 6px 14px rgba(0,0,0,0.1);
    }

    label {
        font-weight: bold;
        display: block;
```

```
        margin-bottom: 8px;
    }

    input[type="color"] {
        width: 80px;
        height: 40px;
        border: none;
        margin-bottom: 20px;
    }

    .slider-row {
        display: flex;
        align-items: center;
        margin-bottom: 16px;
    }

    .slider-label {
        width: 80px;
        font-weight: bold;
    }

    .slider-value {
        width: 60px;
        text-align: center;
        font-weight: bold;
        color: #444;
    }

    input[type="range"] {
        flex: 1;
        margin: 0 10px;
    }

    button[type="submit"] {
        display: block;
        margin: 20px auto 0;
        padding: 12px 22px;
        background: #28a745;
        border: none;
        border-radius: 8px;
        font-size: 16px;
        font-weight: bold;
        color: white;
        cursor: pointer;
        transition: 0.3s;
    }


button[type="submit"]:hover
{
        background: #218838;
    }

    .color-box {
        width: 90px;
        height: 40px;
        border-radius: 6px;
           border:  1px  solid
#ccc;
        margin: auto;
    }

    table {
        width: 100%;
        margin-top: 30px;
             border-collapse:
collapse;
        background: white;
        border-radius: 10px;
        overflow: hidden;
           box-shadow:  0  6px
16px rgba(0,0,0,0.1);
    }

    th, td {
        padding: 12px 14px;
           border:  1px  solid
#ddd;
        text-align: center;
    }

    th {
        background: #007bff;
        color: white;
    }

    .footer-note {
        text-align: center;
        font-size: 13px;
        color: #666;
        margin-top: 40px;
    }
</style>

<script>
function  updateValue(slider,
output) {
       output.textContent   =
slider.value + '%';
}
</script>
</head>
```

```
<body>

<div class="container">
          <div    class="top-
buttons">
          <button class="btn-
home"
onclick="window.location.hre
f='home.php'">🏠 Kembali ke
Home</button>
          <button class="btn-
refresh"
onclick="window.location.hre
f                          =
window.location.pathname">🔄
Refresh</button>
    </div>

        <h2>🎨 Penggabungan
Warna RGB & CMYK</h2>

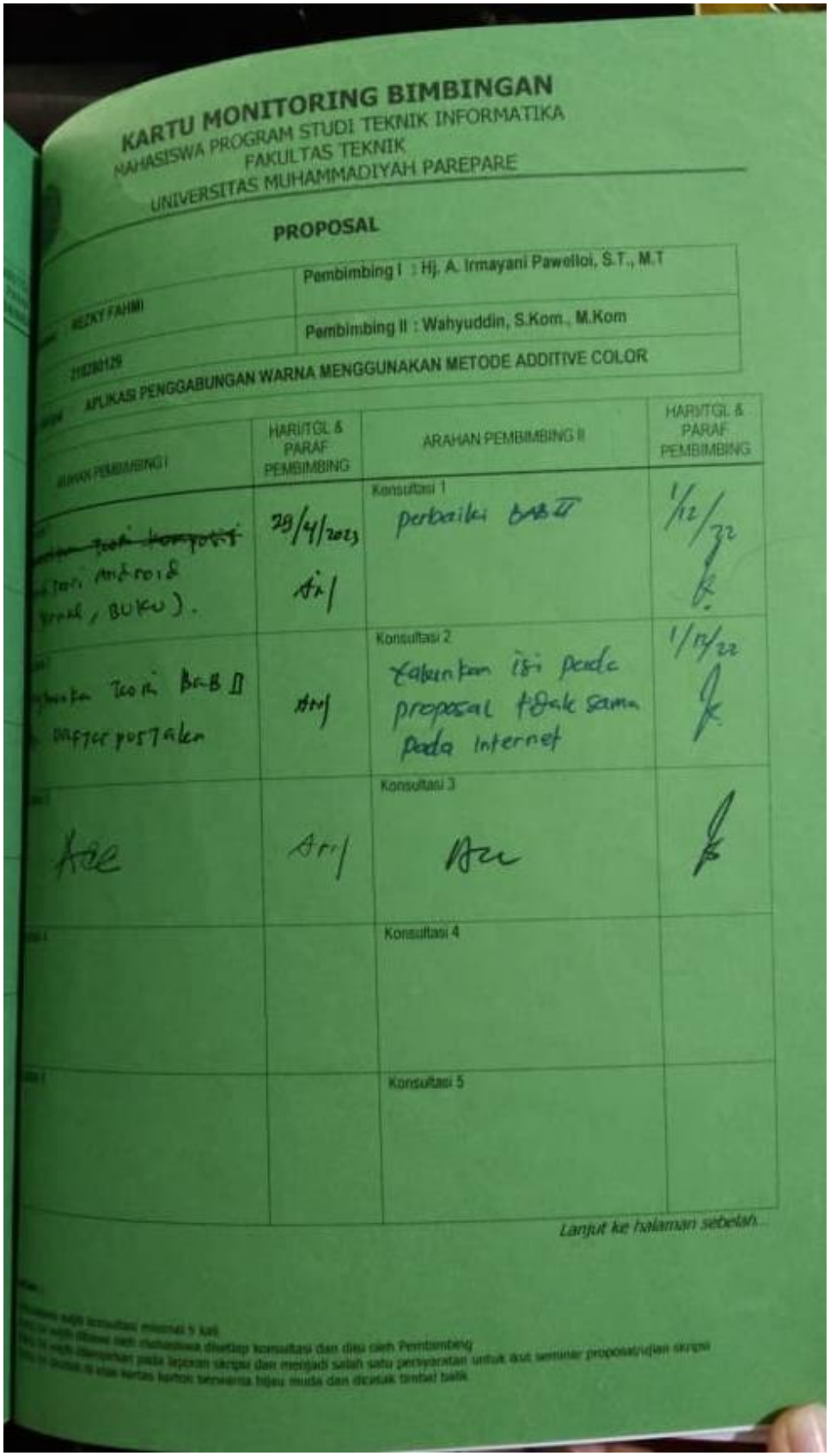
    <form method="POST">
          <label>Pilih Warna
RGB:</label>
          <input type="color"
name="warna_rgb"
value="<?php              echo
htmlspecialchars($hasil['RGB
Hex'] ?? '#000000'); ?>">

        <?php
                        $C    =
$hasil['CMYK_input'][0]    ??
0;
                        $M    =
$hasil['CMYK_input'][1]    ??
0;
                        $Y    =
$hasil['CMYK_input'][2]    ??
0;
                        $K    =
$hasil['CMYK_input'][3]    ??
0;
                        foreach
(['C','M','Y','K']         as
$comp):
        ?>
          <div class="slider-
row">
                          <div
class="slider-label"><?=
$comp ?>:</div>
                        <input
type="range"   name="cmyk_<?=
strtolower($comp)         ?>"
min="0" max="100" value="<?=
${$comp} ?>"

oninput="updateValue(this,
document.getElementById('<?=
strtolower($comp)
?>_val'))">
                          <div
class="slider-value"  id="<?=
strtolower($comp)
?>_val"><?=          ${$comp}
?>%</div>
        </div>
        <?php endforeach; ?>
                        <button
type="submit">Konversi      &
Gabungkan</button>
    </form>
    <?php if ($hasil): ?>
     <h3>📋 Hasil Konversi &
Gabungan</h3>
    <table>
        <tr>
            <th>Jenis</th>
            <th>Preview</th>
            <th>RGB</th>
            <th>CMYK</th>
        </tr>
        <tr>
                    <td>RGB
Asli</td>
                   <td><div
class="color-box"
style="background:        <?=
htmlspecialchars($hasil['RGB
Hex']) ?>"></div></td>
                    <td><?=
implode(',                 ',
$hasil['RGB1']) ?></td>
                  <td>C=<?=
$hasil['CMYK_from_RGB1']['C'
]          ?>%,          M=<?=
$hasil['CMYK_from_RGB1']['M'
]          ?>%,          Y=<?=
$hasil['CMYK_from_RGB1']['Y'
```

```
]          ?>%,          K=<?=
$hasil['CMYK_from_RGB1']['K'
] ?>%</td>
        </tr>
        <tr>
             <td>Konversi ke
CMYK</td>
              <?php $hex_cmyk
=    sprintf("#%02x%02x%02x",
...$hasil['RGB2']); ?>
                      <td><div
class="color-box"
style="background:        <?=
htmlspecialchars($hex_cmyk)
?>"></div></td>
                       <td><?=
implode(',                  ',
$hasil['RGB2']) ?></td>
                  <td>C=<?=  $C
?>%,  M=<?=  $M  ?>%,  Y=<?=  $Y
?>%, K=<?= $K ?>%</td>
        </tr>
        <tr>

<td>Gabungan</td>
             <?php $hex_mix =
sprintf("#%02x%02x%02x",
...$hasil['RGB_mix']); ?>
                      <td><div
class="color-box"
style="background:        <?=
htmlspecialchars($hex_mix)
?>"></div></td>
                       <td><?=
implode(',                  ',
$hasil['RGB_mix']) ?></td>
            <td>-</td>
        </tr>
        <tr>
            <td>Hasil</td>
                      <td><div
class="color-box"
style="background:        <?=
htmlspecialchars($hex_mix)
?>"></div></td>
                       <td><?=
implode(',                  ',
$hasil['RGB_mix']) ?></td>
                     <td>C=<?=
$hasil['CMYK_mix']['C']  ?>%,
M=<?=
$hasil['CMYK_mix']['M']  ?>%,
Y=<?=
$hasil['CMYK_mix']['Y']  ?>%,
K=<?=
$hasil['CMYK_mix']['K']
?>%</td>
        </tr>
    </table>
    <?php endif; ?>
</div>
</body>
</html>
```



# KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

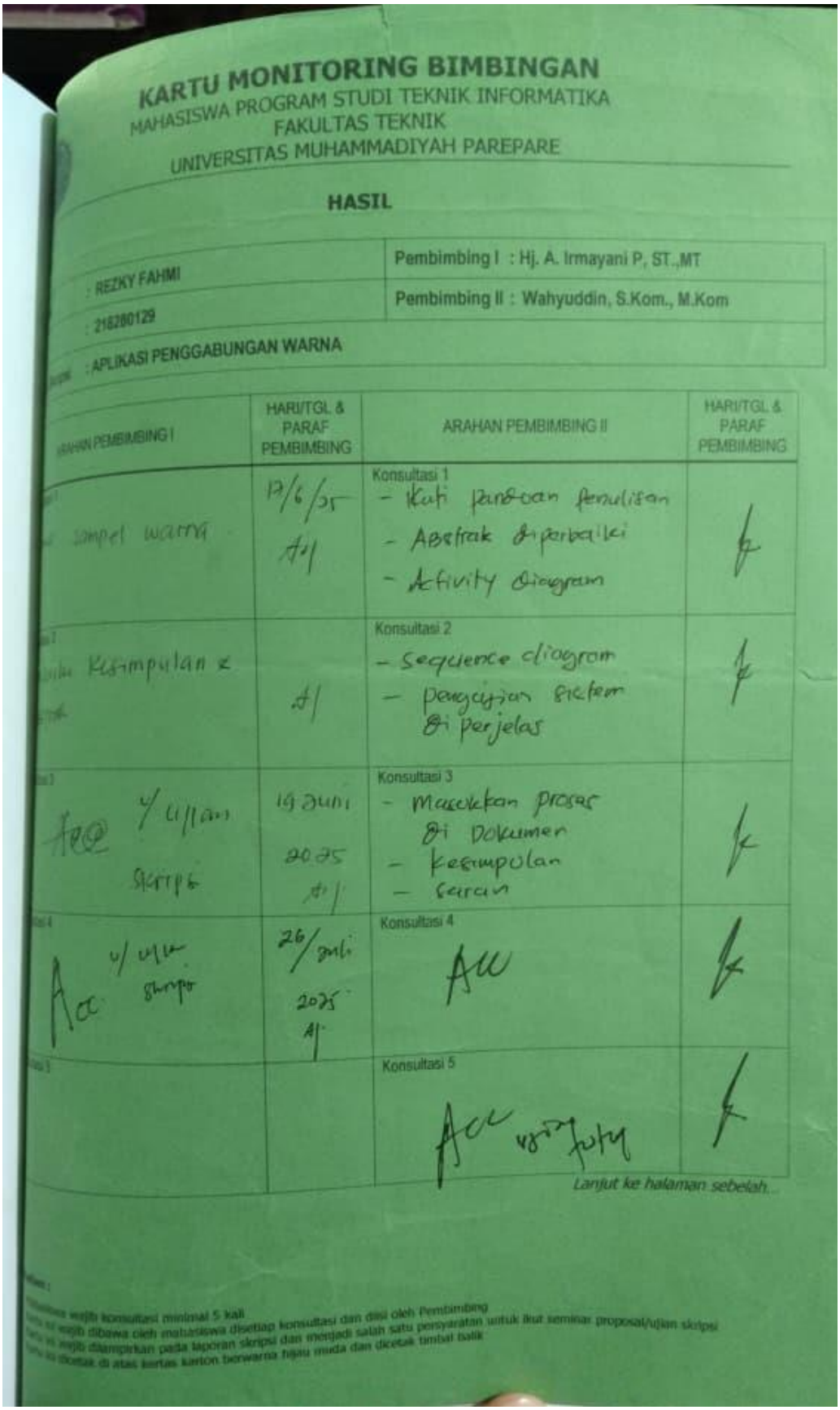
## PROPOSAL

| | |
|---|---|
| RIZKY FAHMI | Pembimbing I : Hj. A. Irmayani Pawelloi, S.T., M.T |
| 21220129 | Pembimbing II : Wahyuddin, S.Kom., M.Kom |
| APLIKASI PENGGABUNGAN WARNA MENGGUNAKAN METODE ADDITIVE COLOR | |

| ARAHAN PEMBIMBING I | HARI/TGL & PARAF PEMBIMBING | ARAHAN PEMBIMBING II | HARI/TGL & PARAF PEMBIMBING |
|---|---|---|---|
| ~~[illegible]~~ Teori Android Jurnal, BUKU). | 29/4/2023 | Konsultasi 1<br>Perbaiki BAB II | 1/12/22 |
| [illegible] Teori BAB II Daftar pustaka | | Konsultasi 2<br>Kalimatkan isi pada proposal tidak sama pada internet | 1/12/22 |
| Acc | | Konsultasi 3<br>Acc | |
| | | Konsultasi 4 | |
| | | Konsultasi 5 | |

Lanjut ke halaman sebelah...

Minimal 5 kali
Setiap mahasiswa diwajibkan konsultasi dan diisi oleh Pembimbing
Setelah disahkan pada lepasan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
Harus di isi pada kertas kartun berwarna hijau muda dan dicetak tinta(i) baik



# KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

## HASIL

| | |
|---|---|
| : REZKY FAHMI | Pembimbing I : Hj. A. Irmayani P, ST.,MT |
| : 216280129 | Pembimbing II : Wahyuddin, S.Kom., M.Kom |
| : APLIKASI PENGGABUNGAN WARNA | |

| ARAHAN PEMBIMBING I | HARI/TGL & PARAF PEMBIMBING | ARAHAN PEMBIMBING II | HARI/TGL & PARAF PEMBIMBING |
|---|---|---|---|
| Sampel warna | 12/6/25 | Konsultasi 1<br>- Kuti panduan penulisan<br>- Abstrak diperbaiki<br>- Activity diagram | |
| Kesimpulan & | | Konsultasi 2<br>- Sequence diagram<br>- pengujian sistem di perjelas | |
| Acc ujian Skripsi | 19 Juni 2025 | Konsultasi 3<br>- Masukkan proses di Dokumen<br>- kesimpulan<br>- saran | |
| Acc ujian skripsi | 26 Juni 2025 | Konsultasi 4<br>Acc | |
| | | Konsultasi 5<br>Acc ujian tutup | |

Lanjut ke halaman sebelah...

Mahasiswa wajib konsultasi minimal 5 kali
Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik