

Lampiran 1. Surat Kesiediaan Membimbing TA Dosen Pembimbing I

SURAT KESEDIAAN MEMBIMBING TA

Yang bertanda tangan di bawah ini:

Nama : Ida Afriliana, S.T,M.Kom
NIPY : 12.013.168
Jabatan Struktural : KA. Prodi DIII Teknik Komputer
Jabatan Fungsional : Lektor

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

Nama : Ardan Dwi Maulana
NIM : 22040090
Program Studi : Diploma III Teknik Komputer

Judul TA : MONITORING ALAT PENYIMPANAN BAWANG MERAH
BERBASIS WEBSITE

Dengan ini menyatakan ini dibuat agar dilaksanakan sebagaimana mestinya

Tegal, 5 Februari 2025

Mengetahui

Ka Prodi DIII Teknik Komputer,



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Dosen Pembimbing I,

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Lampiran 2. Surat Kesiediaan Membimbing TA Dosen Pembimbing II

SURAT KESEDIAAN MEMBIMBING TA

Yang bertanda tangan di bawah ini:

Nama : Abdul Basit, S.Kom, M.T
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Jabatan Struktural : Sekretaris Prodi DIII Teknik Komputer
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Dengan ini menyatakan bersedia untuk menjadi pembimbing II pada Tugas Akhir mahasiswa berikut:

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BERBASIS WEBSITE

Dengan ini menyatakan ini dibuat agar dilaksanakan sebagaimana mestinya

Tegal, 5 Februari 2025

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Dosen Pembimbing II,

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Lampiran 3. *Source Code* Program

```
<?= $this->extend('layout/dashboard_layout') ?>

<?= $this->section('content') ?>
<style>
    .card-table {
        background: var(--card-bg);
        border-radius: 15px;
        padding: 25px;
        box-shadow: 0 5px 20px rgba(0, 0, 0, 0.05);
    }

    .table th {
        border-top: none;
        color: var(--text-secondary);
        font-weight: 600;
    }

    .table td {
        vertical-align: middle;
    }

    .badge-success {
        background-color: var(--success);
    }

    .badge-primary {
        background-color: var(--primary-color);
    }

    .badge-warning {
        background-color: var(--warning);
    }

    .pagination .page-item.active .page-link {
        background-color: var(--primary-color);
        border-color: var(--primary-color);
    }

    .pagination .page-link {
        color: var(--primary-color);
    }

    .table-responsive {
        overflow-x: auto;
    }

    .dataTables_wrapper .dataTables_paginate .paginate_button {
        padding: 0;
        margin-left: 0;
    }

    .dataTables_wrapper .dataTables_paginate
    .paginate_button:hover {
        background: none;
    }
```

```

        border: none;
    }
</style>

<div class="row mt-3 ml-3 mr-3">
    <div class="col-12">
        <div class="card-table">
            <h4 class="mb-4">Tabel Monitoring Bawang Merah</h4>

            <div class="table-responsive">
                <div class="row mb-4">
                    <div class="col-md-12">
                        <form method="get" action="<?=
base_url('/monitoring') ?>" class="form-inline">
                            <div class="form-group mr-3">
                                <label for="start_date"
class="mr-2">Dari:</label>
                                <input type="date" class="form-
control" id="start_date" name="start_date"
                                value="<?= isset($startDate)
? $startDate : '' ?>">
                                </div>
                                <div class="form-group mr-3">
                                    <label for="end_date" class="mr-
2">Sampai:</label>
                                    <input type="date" class="form-
control" id="end_date" name="end_date"
                                    value="<?= isset($endDate) ?
$endDate : '' ?>">
                                    </div>
                                    <button type="submit" class="btn
btn-primary mr-2">
                                        <i class="fas fa-filter"></i>
Filter
                                        </button>
                                        <a href="<?= base_url('/monitoring')
?>" class="btn btn-secondary mr-2">
                                            <i class="fas fa-sync-alt"></i>
Reset
                                            </a>
                                        <!-- <button type="submit"
formaction="<?= base_url('/monitoring/exportPdf') ?>" class="btn
btn-danger mr-2">
                                            <i class="fas fa-file-pdf"></i>
Export PDF (Server)
                                            </button> -->
                                            <button type="button"
onclick="downloadPdf()" class="btn btn-danger">
                                                <i class="fas fa-download"></i>
Download PDF
                                            </button>
                                        </form>
                                    </div>
                                </div>
                                <table class="table table-hover"
id="monitoringTable">

```

```

<thead>
  <tr>
    <th>No</th>
    <th>Tanggal & Waktu</th>
    <th>Berat (kg)</th>
    <th>Suhu (°C)</th>
    <th>Kelembapan (%)</th>
    <th>Status</th>
  </tr>
</thead>
<tbody>
  <?php $no = 1; ?>
  <?php foreach ($monitoringData as
$data): ?>
    <tr>
      <td><?= $no++ ?></td>
      <td><?= date('d M Y H:i:s',
strtotime($data['created_at'])) ?></td>
      <td><?= $data['berat'] ?></td>
      <td><?= $data['suhu'] ?></td>
      <td><?= $data['kelembapan']
?></td>
      <td>
        <?php
          $status = 'Normal';
          $badgeClass = 'badge-
success';

          if ($data['suhu'] > 30 ||
$data['kelembapan'] > 80) {
            $status = 'Warning';
            $badgeClass = 'badge-
warning';
          }
          ?>
          <span class="badge <?=
$badgeClass ?>"><?= $status ?></span>
        </td>
      </tr>
    <?php endforeach; ?>
  </tbody>
</table>
</div>
</div>
</div>
</div>

<!-- Make sure jQuery is loaded first -->
<script src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>

<!-- DataTables CSS -->
<link rel="stylesheet" type="text/css"
href="https://cdn.datatables.net/1.11.5/css/jquery.dataTables.cs
s">

```

```

<link rel="stylesheet" type="text/css"
href="https://cdn.datatables.net/buttons/2.2.2/css/buttons.dataTables.min.css">

<!-- DataTables JS -->
<script type="text/javascript" charset="utf8"
src="https://cdn.datatables.net/1.11.5/js/jquery.dataTables.js">
</script>
<script type="text/javascript" charset="utf8"
src="https://cdn.datatables.net/buttons/2.2.2/js/dataTables.buttons.min.js"></script>
<script type="text/javascript" charset="utf8"
src="https://cdnjs.cloudflare.com/ajax/libs/jszip/3.1.3/jszip.min.js"></script>
<script type="text/javascript" charset="utf8"
src="https://cdnjs.cloudflare.com/ajax/libs/pdfmake/0.1.53/pdfmake.min.js"></script>
<script type="text/javascript" charset="utf8"
src="https://cdnjs.cloudflare.com/ajax/libs/pdfmake/0.1.53/vfs_fonts.js"></script>
<script type="text/javascript" charset="utf8"
src="https://cdn.datatables.net/buttons/2.2.2/js/buttons.html5.min.js"></script>
<script type="text/javascript" charset="utf8"
src="https://cdn.datatables.net/buttons/2.2.2/js/buttons.print.min.js"></script>

<!-- jsPDF Library -->
<script
src="https://cdnjs.cloudflare.com/ajax/libs/jspdf/1.5.3/jspdf.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jspdf-autotable/3.5.6/jspdf.plugin.autotable.min.js"></script>

<script>
    // Auto-refresh page every 2 hours
    setTimeout(() => window.location.reload(), 7200000);

    $(document).ready(function() {
        $('#monitoringTable').DataTable({
            dom: 'Bfrtip',
            buttons: [
                'copy', 'csv', 'excel', 'pdf', 'print'
            ],
            order: [
                [1, 'desc']
            ],
            language: {
                url: 'https://cdn.datatables.net/plugins/1.11.5/i18n/id.json'
            }
        });
    });

    // Function to download PDF
    function downloadPdf() {

```

```

        console.log('Download PDF function called');

        try {
            // Create new PDF document with jsPDF
            var doc = new jsPDF();

            // Add title
            doc.setFontSize(16);
            doc.text('Laporan Monitoring Bawang Merah', 15, 15);

            // Add date range if selected
            var startY = 25;
            var startDate =
document.getElementById('start_date').value;
            var endDate =
document.getElementById('end_date').value;

            if (startDate && endDate) {
                doc.setFontSize(12);
                doc.text('Periode: ' + formatDate(startDate) + '
- ' + formatDate(endDate), 15, startY);
                startY += 10;
            }

            // Add current date and time
            var now = new Date();
            doc.setFontSize(10);
            doc.text('Dicetak pada: ' +
now.toLocaleDateString('id-ID') + ' ' +
now.toLocaleTimeString('id-ID'), 15, startY);
            startY += 10;

            // Prepare table data
            var tableData = [];
            var table =
document.getElementById('monitoringTable');
            var rows = table.querySelectorAll('tbody tr');

            rows.forEach(function(row) {
                var rowData = [];
                var cells = row.querySelectorAll('td');

                // Get the first 5 columns directly
                for (var i = 0; i < 5; i++) {
                    rowData.push(cells[i].textContent);
                }

                // For the status column, get just the text
without HTML
                var statusCell = cells[5];
                var status = statusCell.textContent.trim();
                rowData.push(status);

                tableData.push(rowData);
            });
        }
    }

```

```

// Create table in PDF
doc.autoTable({
  head: [['No', 'Tanggal & Waktu', 'Berat (kg)',
'Suhu (°C)', 'Kelembapan (%)', 'Status']],
  body: tableData,
  startY: startY,
  theme: 'grid',
  styles: {
    fontSize: 8,
    cellPadding: 2
  },
  headStyles: {
    fillColor: [66, 133, 244],
    textColor: [255, 255, 255],
    fontStyle: 'bold'
  }
});

// Add summary statistics
var finalY = doc.autoTable.previous.finalY + 10;

// Calculate statistics
var totalEntries = tableData.length;
var totalNormal = 0;
var totalWarning = 0;

tableData.forEach(function(row) {
  if (row[5].trim() === 'Normal') {
    totalNormal++;
  } else if (row[5].trim() === 'Warning') {
    totalWarning++;
  }
});

// Add statistics to PDF
doc.setFontSize(11);
doc.text('Ringkasan:', 15, finalY);
doc.text('Total Entri: ' + totalEntries, 15, finalY
+ 7);
doc.text('Total Normal: ' + totalNormal, 15, finalY
+ 14);
doc.text('Total Warning: ' + totalWarning, 15,
finalY + 21);

// Add page numbers
var pageCount = doc.internal.getNumberOfPages();
for (var i = 1; i <= pageCount; i++) {
  doc.setPage(i);
  doc.setFontSize(8);
  doc.text('Halaman ' + i + ' dari ' + pageCount,
doc.internal.pageSize.width / 2, doc.internal.pageSize.height -
10, {
    align: 'center'
  });
}

```

```

        // Save the PDF
        var filename = 'Monitoring_Bawang_Merah_' +
formatDateForFilename(new Date()) + '.pdf';
        doc.save(filename);
        console.log('PDF successfully created and
downloaded');

        } catch (error) {
            console.error('Error generating PDF:', error);
            alert('Terjadi kesalahan saat membuat PDF. Silakan
coba lagi.');
```

```

        }
    }

    // Helper function to format date for display
    function formatDate(dateString) {
        var date = new Date(dateString);
        return date.toLocaleDateString('id-ID', {
            day: '2-digit',
            month: 'long',
            year: 'numeric'
        });
    }

    // Helper function to format date for filename
    function formatDateForFilename(date) {
        var year = date.getFullYear();
        var month = ('0' + (date.getMonth() + 1)).slice(-2);
        var day = ('0' + date.getDate()).slice(-2);
        return year + month + day;
    }
}
</script>
<?= $this->endSection() ?>

```