

## Lampiran 2 Kode Aplikasi

### 1. Implementasi Kode – Login

```

class Login extends CI_Controller {

    function __construct() {
        parent::__construct();
        $this->load->model('m_login');
    }

    publicfunction index()
    {
        $this->load->view('member/Login');
    }

    publicfunction doLogin() {
        $dataPost = $this->input->post();
        /* debugCode($dataPost); */
        if ($this->m_login->checkLogin($dataPost['username'],
        $dataPost['pass'])) {
            //echo "success";
            redirect('admin/dashboard');
        }elseif($this->m_login->check_login_guru($dataPost['username'],
        $dataPost['pass'])){
            redirect('guru/dashboard');

        }elseif($this->m_login->check_login_siswa($dataPost['username'],
        $dataPost['pass'])){
            redirect('siswa/dashboard');

        }else{
            $this->session->set_flashdata('GagalLogin', 'Ya');

```

```

        redirect('login');
    }
}

```

## 2. Implementasi Kode – Logout

```

function logout() {
    $this->session->unset_userdata('loginData');
    redirect('admin/login');
}

```

## 3. Implementasi Kode Master Data - Stok Produk

```

<?phpif ( ! defined('BASEPATH')) exit('No direct script access allowed');

```

```

class Stok_produk extends CI_Controller {

```

```

    function __construct() {
        parent::__construct();
        $this->load->model('m_umum');
        $this->load->model('M_produk');
    }

```

```

    publicfunction add(){
        $data['userLogin'] = $this->session->userdata('loginData');
        $data['listProduk'] = $this->M_produk->getListProduk();
        $data['v_content'] = 'member/stok_produk/add';
        $this->load->view('member/layout', $data);
    }

```

```

    publicfunction index(){

```

```

$data['userLogin'] = $this->session->userdata('loginData');
$data['listData'] = $this->M_produk->getListProduk();
$data['v_content'] = 'member/stok_produk/daftar';
$this->load->view('member/layout', $data);
}

```

**publicfunction** edit(\$id){

```

$data['userLogin'] = $this->session->userdata('loginData');
$data['listData'] = $this->M_produk->getListProdukId($id);
$data['v_content'] = 'member/stok_produk/edit';
$this->load->view('member/layout', $data);
}

```

**publicfunction** doAdd(){

```

$post = $this->input->post();

$dataArray = array(
    "id_bahan"    => $post['id_bahan'],
    "stok_bahan"  => $post['stok_bahan'],
);
$insert = $this->db->insert("tbl_stok_bahan",$dataArray);
if($insert){
    $this->m_umum->generatePesan("Berhasil menambahkan
data","berhasil");
    redirect('admin/stok_produk');
} else{
    $this->m_umum->generatePesan("Gagal menambahkan
data","gagal");
    redirect('admin/stok_produk/add');
}
}

```

```

publicfunction doUpdate($id){
    $post = $this->input->post();

    $dataArray = array(
        "id_bahan"    => $post['id_bahan'],
        "stok_bahan"  => $post['stok_bahan'],
    );

    $update = $this->db-
>update("tbl_stok_bahan",$dataArray,array("stok_bahan_id" => $id));
if($update){
    $this->m_umum->generatePesan("Berhasil update
data","berhasil");
    redirect('admin/stok_produk');
} else{
    $this->m_umum->generatePesan("Gagal update data","gagal");
    redirect('admin/stok_produk/edit/'.$id);
}
}

publicfunction doDelete($id){
    $delete = $this->db->delete("tbl_stok_bahan",array("stok_bahan_id"
=> $id));
if($delete){
    $this->m_umum->generatePesan("Berhasil Delete
data","berhasil");
    redirect('admin/stok_produk');
} else{
    $this->m_umum->generatePesan("Gagal Delete data","gagal");
    redirect('admin/stok_produk');
}
}

```

```

    }
}

publicfunction doUpdate($id){
    $post = $this->input->post();

    $dataArray = array(
        "id_bahan"    => $post['id_bahan'],
        "stok_bahan"  => $post['stok_bahan'],
    );

    $update = $this->db-
>update("tbl_stok_bahan",$dataArray,array("stok_bahan_id" => $id));
if($update){
    $this->m_umum->generatePesan("Berhasil update data","berhasil");
    redirect('admin/stok_produk');
} else{
    $this->m_umum->generatePesan("Gagal update data","gagal");
    redirect('admin/stok_produk/edit/'.$id);
}
}

publicfunction doDelete($id){
    $delete = $this->db->delete("tbl_stok_bahan",array("stok_bahan_id"
=> $id));
if($delete){
    $this->m_umum->generatePesan("Berhasil Delete
data","berhasil");
    redirect('admin/stok_produk');
} else{
    $this->m_umum->generatePesan("Gagal Delete data","gagal");

```

```

        redirect('admin/stok_produk');
    }
}
}

```

#### 4. Implementasi KodeMaster Data – Produk

```

<?phpif ( ! defined('BASEPATH')) exit('No direct script access allowed');
class Produk extends CI_Controller {
function __construct() {
    parent::__construct();
    $this->load->model('m_umum');
    $this->load->model('M_produk');
}

publicfunction add(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['kode_produk'] = $this->M_produk->kodeTransaksi();
}
}

```

```

publicfunction index(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['listData'] = $this->M_produk->getListProduk();
    $data['v_content'] = 'member/produk/daftar';
    $this->load->view('member/layout', $data);
}

publicfunction edit($id){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['detailData'] = $this->M_produk->getListProdukId($id);
    $data['v_content'] = 'member/produk/edit';
    $this->load->view('member/layout', $data);
}

publicfunction doAdd(){
    $post = $this->input->post();

    $upload_path = './uploads/produk/';
    /*===== BEGIN
    UPLOADING FEATEURE IMAGE
    =====*/
    $photo = "";
if ($_FILES['photo']['name'] <> "") {
        $ext      = pathinfo($_FILES['photo']['name'], PATHINFO_EXTENSION);
        $photo = "FI".date("dmYHis").rand(100,999)." ".$ext;

        $config['upload_path'] = $upload_path;
        $config['allowed_types'] = 'PNG|png|JPG|jpg|JPEG|jpeg';
        $config['file_name'] = $photo;

        $this->load->library('upload', $config);
        $this->upload->initialize($config);
if ( ! $this->upload->do_upload('photo')){
            $error = 'error: '. $this->upload->display_errors();
echo $error;
die();
else{
            $photo = "uploads/produk/" . $photo;
        }
    }
}

```

```

    );
    $insert = $this->db->insert("tbl_produk",$dataArray);
    $last_id = $this->db->insert_id();
if($insert){
    $this->m_umum->generatePesan("Berhasil menambahkan data","berhasil");
    redirect('admin/produk');
}else{
    $this->m_umum->generatePesan("Gagal menambahkan data","gagal");
    redirect('admin/produk/add');
    }
}

publicfunction doUpdate($id){
    $post = $this->input->post();

    $dataArray = array(
        "produk_name"    => $post['produk_name'],
        "produk_code"    => $post['produk_code'],
        "produk_harga"   => $post['produk_harga'],
        "produk_stock"   => 0,
    );

    $upload_path = './uploads/produk/';
/*===== BEGIN
UPLOADING FEATEURE IMAGE
=====*/
    $photo = "";
if ($_FILES['photo']['name'] <> "") {
        $ext      = pathinfo($_FILES['photo']['name'], PATHINFO_EXTENSION);
        $photo = "FI".date("dmYHis").rand(100,999)." ".$ext;

        $config['upload_path'] = $upload_path;
        $config['allowed_types'] = 'PNG|png|JPG|jpg|JPEG|jpeg';
        $config['file_name']    = $photo;

        $this->load->library('upload', $config);

```



```

/*===== END UPLOADING
FEATEURE IMAGE
=====*/

$update = $this->db->update("tbl_produk",$dataArray,array("produk_id" =>
$id));
if($update){
    $this->m_umum->generatePesan("Berhasil update data","berhasil");
    redirect('admin/produk');
}else{
    $this->m_umum->generatePesan("Gagal update data","gagal");
    redirect('admin/produk/edit/'.$id);
    }
}

publicfunction doDelete($id){
    $delete = $this->db->delete("tbl_produk",array("produk_id" => $id));
    if($delete){
        $this->m_umum->generatePesan("Berhasil Delete data","berhasil");
        redirect('admin/produk');
    }else{
        $this->m_umum->generatePesan("Gagal Delete data","gagal");
        redirect('admin/produk');
    }
}

publicfunction deleteBahan($id,$suri){
    $delete = $this->db->delete("tbl_bahan_produk",array("bahan_produk_id" =>
$id));

```

## 5. Implementasi Kode Pengguna

```
<?phpif ( ! defined('BASEPATH')) exit('No direct script access allowed');
```

```

class Pengguna extends CI_Controller {
function __construct() {
    parent::__construct();
    $this->load->model('m_umum');
    $this->load->model('M_pengguna');

```

```

publicfunction add(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['v_content'] = 'member/pengguna/add';
    $this->load->view('member/layout', $data);
}

publicfunction daftar(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['listData'] = $this->M_pengguna->getListPengguna();
    $data['v_content'] = 'member/pengguna/daftar';
    $this->load->view('member/layout', $data);
}

publicfunction edit($id){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['detailData'] = $this->M_pengguna->getListPenggunaId($id);
    $data['v_content'] = 'member/pengguna/edit';
    $this->load->view('member/layout', $data);
}

publicfunction doAdd(){
    $post = $this->input->post();

    $upload_path = './uploads/profile/';
    /*===== BEGIN
    UPLOADING FEATEURE IMAGE
    =====*/
    $photo = "";
    if ($_FILES['photo']['name'] <> "") {
        $ext      = pathinfo($_FILES['photo']['name'], PATHINFO_EXTENSION);
        $photo = "FI".date("dmYHis").rand(100,999).".". $ext;

        $config['upload_path'] = $upload_path;
        $config['allowed_types'] = 'PNG|png|JPG|jpg|JPEG|jpeg';
        $config['file_name']    = $photo;

        $this->load->library('upload', $config);
        $this->upload->initialize($config);

```

```

$dataArray = array(
    "username" => $post['username'],
    "password" => md5($post['password']),
    "user_foto" => $photo,
    "user_name" => $post['full_name'],
    "user_status" => $post['user_status'],
    "user_jenis_kelamin" => $post['jk'],
    "is_deleted" => 0
);
$insert = $this->db->insert("tbl_user",$dataArray);
if($insert){
    $this->m_umum->generatePesan("Berhasil menambahkan data","berhasil");
    redirect('admin/pengguna/daftar');
} else{
    $this->m_umum->generatePesan("Gagal menambahkan data","gagal");
    redirect('admin/pengguna/add');
}
}

publicfunction doUpdate($id){
    $userLogin = $this->session->userdata('loginData');
    $post = $this->input->post();

    if($post['password'] != ""){
        $dataArray = array(
            "username" => $post['username'],
            "password" => md5($post['password']),
            "user_name" => $post['full_name'],
            "user_status" => $userLogin['lvlUser'],
            "user_jenis_kelamin" => $post['jk']
        );
    } else{
        $dataArray = array(
            "username" => $post['username'],
            "user_name" => $post['full_name'],
            "user_status" => $userLogin['lvlUser'],
            "user_jenis_kelamin" => $post['jk']
        );
    }
}

```

```

$config['upload_path'] = $upload_path;
$config['allowed_types'] = 'PNG|png|JPG|jpg|JPEG|jpeg';
$config['file_name'] = $photo;

$this->load->library('upload', $config);
$this->upload->initialize($config);
if ( ! $this->upload->do_upload('photo')){
    $error = 'error: '. $this->upload->display_errors();
    echo $error;
    die();
} else{
    $photo = "/uploads/profile/".$photo;
    $dataArray['user_foto'] = $photo;
}
}
/*===== END UPLOADING
FEATEURE IMAGE
=====*/
$update = $this->db->update("tbl_user",$dataArray,array("user_id" => $id));
if($update){
    $this->m_umum->generatePesan("Berhasil update data","berhasil");
if ($id == '3' or $id == '2'){
    redirect('admin/login/profile/'.$id);
    } else {
    redirect('admin/pengguna/daftar');
    }
} else{
    $this->m_umum->generatePesan("Gagal update data","gagal");
    redirect('admin/pengguna/daftar');
    }
}

publicfunction doDelete($id){
    $delete = $this->db->delete("tbl_user",array("user_id" => $id));
if($delete){
    $this->m_umum->generatePesan("Berhasil Delete data","berhasil");
    redirect('admin/pengguna/daftar');
} else{
    $this->m_umum->generatePesan("Gagal Delete data","gagal");
    redirect('admin/pengguna/daftar');
    }
}
}

```

## 6. Implementasi Kode Transaksi

```

<?phpif ( ! defined('BASEPATH')) exit('No direct script access allowed');

class Transaksi extends CI_Controller {
function __construct() {
    parent::__construct();
    $this->load->model('m_umum');
    $this->load->model('M_transaksi');
    $this->load->model('m_produk');
}

publicfunction index(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['v_content'] = 'member/transaksi/add';
    $this->load->view('member/layout', $data);
}

publicfunction add(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['v_content'] = 'member/transaksi/add';
    $this->load->view('member/layout', $data);
}

publicfunction daftar(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $post = $this->input->post();

    $data['listData'] = $this->M_transaksi->getListTransaksiByDate($post['start'],
    $post['end']);
    $data['v_content'] = 'member/transaksi/daftar';
    $this->load->view('member/layout', $data);
}

publicfunction edit($id){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['detailData'] = $this->M_transaksi->getListTransaksiId($id);
    $data['v_content'] = 'member/transaksi/edit';
    $this->load->view('member/layout', $data);
}

publicfunction doAdd(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $post = $this->input->post();

    $dataArray = array(
        "transaksi_no" => $post['transaksi_no'],
        "transaksi_tgl" => $post['transaksi_tgl'],
        "id_user"      => $data['userLogin']['UserID']
    );
}

```

```

        "id_user"      => $data['userLogin']['UserID']

    );
    $insert = $this->db->insert("tbl_kelas",$dataArray);
    if($insert){
        $this->m_umum->generatePesan("Berhasil menambahkan data","berhasil");
        redirect('admin/kelas/daftar');
    }else{
        $this->m_umum->generatePesan("Gagal menambahkan data","gagal");
        redirect('admin/kelas/add');
    }
}

publicfunction doUpdate($id){
    $post = $this->input->post();

    $dataArray = array(
        "kelas_nama"    => $post['nama'],
    );

    $update = $this->db->update("tbl_kelas",$dataArray,array("kelas_id" => $id));
    if($update){
        $this->m_umum->generatePesan("Berhasil update data","berhasil");
        redirect('admin/kelas/daftar');
    }else{
        $this->m_umum->generatePesan("Gagal update data","gagal");
        redirect('admin/kelas/daftar');
    }
}

publicfunction doDelete($id){
    $delete = $this->db->delete("tbl_transaksi",array("transaksi_id" => $id));
    if($delete){
        $hapus = $this->db->delete("tbl_detail_transaksi",array("id_transaksi" =>
        $id));
        $this->m_umum->generatePesan("Berhasil Delete data","berhasil");
        redirect('admin/transaksi');
    }else{
        $this->m_umum->generatePesan("Gagal Delete data","gagal");
        redirect('admin/transaksi');
    }
}

publicfunction getNoOrder($tanggal){
    $this->db->where('tbl_transaksi.transaksi_tgl',$tanggal);
    $sales = $this->db->get('tbl_transaksi')->result();
}

```

```

    $num = count($sales) + 1;
    $number_increment = sprintf('%03d',$num);
    $number = date("Ymd", strtotime($tanggal) ).$number_increment;
return $number;
}

publicfunction addAutomatic()
{
    $dataUser = $this->session->userdata('loginData');
    $tglTransaksi = array(
        '2019-01-01',
        '2019-01-17',
        '2019-02-05',
        '2019-02-20',
        '2019-03-15',
        '2019-03-26',
        '2019-04-07',
        '2019-04-24',
        '2019-05-19',
        '2019-05-06',
        '2019-06-19',
        '2019-06-06',
        '2019-07-19',
        '2019-07-06',
        '2019-08-19',
        '2019-08-06',
        '2019-09-19',
        '2019-09-06',
        '2019-10-06',
        '2019-10-19',
        '2019-11-06',
        '2019-11-19',
        '2019-12-06',
        '2019-12-19');

    for($i=0;$i<200;$i++){
        $tanggal = $tglTransaksi[rand(0,23)];
        $no_transaksi = $this->getNoOrder($tanggal);
        $dataArray = array(
            'transaksi_no' => $no_transaksi,
            'transaksi_tgl' => $tanggal,
            'transaksi_tgl' => $tanggal,
            'id_user' => $dataUser['UserID'],
            'transaksi_status' => 2
        );

        $insert = $this->db->insert("tbl_transaksi" , $dataArray);
        $dataPembelian = array();
        $dataPemakaianStok = array();
    }
}

```

```

        $id_insert = $this->db->insert_id();
        $jumlahBarang = rand(1,5);
        for ($j=0;$j<$jumlahBarang;$j++) {
            $id_barang = rand(11,23);
            $qty_pemakaian = rand(1,3);
            $dataPembelian[] = array('id_transaksi' => $id_insert,
                                    'id_produk' => $id_barang,
                                    'transaksi_qty'=>$qty_pemakaian);
            $this->db->set('produk_stock', 'produk_stock-'.$qty_pemakaian, FALSE);
            $this->db->where('produk_id', $id_barang);
            $this->db->update('tbl_produk');

            $dataPemakaianStok[] = array('stok_produk' => 0-intval($qty_pemakaian),
                                        'stok_tanggal' => $tanggal,
                                        'id_produk' => $id_barang);
        }
        $this->db->insert_batch('tbl_detail_transaksi',$dataPembelian);
        $this->db->insert_batch('tbl_stok_produk',$dataPemakaianStok);
    }
}

publicfunction invoice($id){
    $data['userLogin'] = $this->session->userdata('loginData');
    $post = $this->input->post();
    $data['id'] = $id;
    $data['listData'] = $this->M_transaksi->getListAllTransaksiByID($id);

    $this->load->view( 'member/transaksi/invoice',$data);
    //$this->load->view('member/layout', $data);
}

publicfunction import()
{
    $post = $this->input->post();
    if(isset($post['submit'])){
        $dataUser = $this->session->userdata('loginData');
        include APPPATH.'third_party/PHPExcel/PHPExcel.php';
        $config['upload_path'] = './uploads/';
        $config['allowed_types'] = 'xlsx|xls|csv';
        $config['max_size'] = '10000';
    }
}

```



```

danger"><b>PROSES IMPORT GAGAL!</b> '.$this->upload-
>display_errors().'</div>');
redirect('admin/transaksi/import');

    } else {

        $data_upload = $this->upload->data();

        $excelreader = new PHPExcel_Reader_Excel2007();
        $loadexcel = $excelreader->load('uploads/'.$data_upload['file_name']);
// Load file yang telah diupload ke folder excel
        $sheet = $loadexcel->getActiveSheet()->toArray(null, true, true
, true);

        $data = array();

        $numrow = 1;
foreach($sheet as $row){
if($numrow > 1){
            $produk_detail = $this->m_produk->get_by_code($row['B']);
//var_dump($produk_detail); exit;
            $dataArray = array(
                'transaksi_no' => $this->getNoOrders(),
                'transaksi_tgl' =>date('Y-m-d'),
                'id_user' => $dataUser['UserID'],
                'transaksi_status' => 2,
            );

            $insert = $this->db->insert("tbl_transaksi" , $dataArray);
            $dataPembelian = array();
            $id_insert = $this->db->insert_id();
            $dataPilihBarang = [];
            $dataPembelian[] = array(
                'id_transaksi' => $id_insert,
                'id_produk' => $produk_detail['produk_id'],
                'transaksi_qty' => $row['E']
            );
            $this->db->set('produk_stock', 'produk_stock-'.$row['E'], FALSE);
            $this->db->where('produk_id', $produk_detail['produk_id']);
            $this->db->update('tbl_produk');

            $dataPilihBarang[] = $produk_detail['produk_id'];
//array_push($data, array(
                'nama_dosen' => $row['A'],
                'email' => $row['B'],
                'alamat' => $row['C'],
            ));*/
        }
        $numrow++;
    }
}

```

```

        $this->db->insert_batch('tbl_detail_transaksi',$dataPembelian);
        $this->session->set_flashdata('msgbox', '<div class="alert alert-
success"><b>PROSES IMPORT BERHASIL!</b> Data berhasil diimport!</div>');
        redirect('admin/transaksi/');

    }

}
$data['userLogin'] = $this->session->userdata('loginData');
$data['v_content'] = 'member/transaksi/upload';
$this->load->view('member/layout', $data);
}

function getNoOrders(){
    $this->db->where('tbl_transaksi.transaksi_tgl',date('Y-m-d'));
    $sales = $this->db->get('tbl_transaksi')->result();
    $num = count($sales) + 1;
    $number_increment = sprintf('%03d',$num);
    $number = date('Ymd').$number_increment;
    return $number;
}

```

## 7. Implementasi Kode – Anisis Sosiasi

```

publicfunction wizard_analisis(){
    $data['userLogin'] = $this->session->userdata('loginData');
    $data['v_content'] = 'member/asosiasi/wizard';
    $this->load->view('member/layout', $data);
}

publicfunction asosiasi(){
    $date = date('Y-m-d');
    // echo $date;die;
    $data['userLogin'] = $this->session->userdata('loginData');
    $getTrans = $this->db->query("SELECT
        transaksi_id, transaksi_no
    FROM
        `tbl_transaksi`
    WHERE
        `transaksi_tgl` >= '2019-01-01'
        AND `transaksi_tgl` <= '$date'
        AND `transaksi_status` = '2'")->result_array();

    $data_trans = array();
    foreach ($getTrans as $key => $value) {
        $value['trans_detail'] = $this->db->query("SELECT
            id_produk,
            produk_code,

```

```

        produk_name,
        transaksi_qty
    FROM
        tbl_detail_transaksi
        INNER JOIN tbl_produk ON tbl_produk.produk_id
    = tbl_detail_transaksi.id_produk
    WHERE
        id_transaksi = ".$value['transaksi_id'])-
>result_array();

    $data_trans[] = $value;
}

$data['data_trans'] = $data_trans;
$data['data_produk'] = $this->db->query("select * from tbl_produk order by
produk_id ASC")->result_array();
// echo "<pre>";print_r($data);die;
$data['v_content'] = 'member/asosiasi/analisis';
$this->load->view('member/layout', $data);
}
}

```

## 8. Implementasi KodePOS

```

publicfunction posTransaksi(){
    $dataUser = $this->session->userdata('loginData');
    $post = $this->input->post();
    $dataBarang = $this->db->query('select * from tbl_produk')-
>result_array();
    $transaksi_no = $this->getNoOrder();
    $insert_trans = $this->db->insert("tbl_transaksi",
array("transaksi_no" => $transaksi_no, 'transaksi_tgl' => date('Y-m-d'),
        'id_user' => $dataUser['UserID'],
        'transaksi_status' => 2));
    if($insert_trans){
        $transaksi_id = $this->db->insert_id();

    foreach ($post['produk_id'] as $key => $value) {
        $this->db->insert("tbl_detail_transaksi",
    array(
            "id_transaksi" => $transaksi_id,
            'id_produk' => $post['produk_id'][$key],
            'transaksi_qty' => $post['qty'][$key]
        );
        $key_produk = array_search($post['produk_id'][$key],
array_column($dataBarang, 'produk_id'));
        $this->db->update("tbl_produk", array("produk_stock" =>
$dataBarangp[$key_produk]['produk_stock'] - $post['qty'][$key]));
    }
}

```

