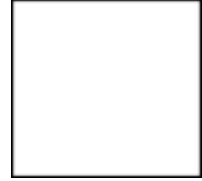# LATIHAN PRAKTIKUM PENGEMBANGAN APLIKASI MOBILE

BAB   : CORE COMPOSABLE
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TANGGAL : 11 SEPTEMBER 2024

SOAL 1

A. Soal

1. Buatlah slicing halaman Log In menggunakan design pada tautan berikut:

   https://www.figma.com/design/wtE86jAQflcvexvJ933hhL/Praktikum-2-PAPB-TIF-E?node-id=0-1&t=BUMZw0vYzhK3jzXN-1

2. Terapkan menggunakan composable layout, image, text, dan button yang telah dijelaskan saat praktikum
3. Dokumentasikan pekerjaanmu dalam format laporan praktikum di bawah
4. Jangan lupa sertakan screenshot program dengan nama dan NIM-mu

B. Source Code

```
package com.example.pertemuan2_splash

import android.os.Bundle
import android.widget.Button
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.activity.enableEdgeToEdge
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.Arrangement
import androidx.compose.foundation.layout.Box
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.Row
import androidx.compose.foundation.layout.Spacer
import androidx.compose.foundation.layout.fillMaxHeight
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.fillMaxWidth
import androidx.compose.foundation.layout.height
import androidx.compose.foundation.layout.padding
import androidx.compose.foundation.layout.size
import androidx.compose.foundation.layout.width
import androidx.compose.foundation.shape.RoundedCornerShape
import androidx.compose.material3.Button
import androidx.compose.material3.ButtonDefaults
import androidx.compose.material3.IconButton
```

```kotlin
import androidx.compose.material3.Scaffold
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.material3.TextButton
import androidx.compose.material3.TextField
import androidx.compose.material3.TextFieldDefaults
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.graphics.Color.Companion.White
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.input.PasswordVisualTransformati
on
import androidx.compose.ui.text.style.TextAlign
import androidx.compose.ui.text.style.TextDecoration
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import com.example.pertemuan2_splash.ui.theme.Orange
import com.example.pertemuan2_splash.ui.theme.Pertemuan2_splashT
heme

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContent {
            Pertemuan2_splashTheme {
                SplashPreview()
            }
        }
    }
}

@Composable
fun Splash() {
    Box(
        modifier = Modifier
            .fillMaxSize()
            .background(color = Color.White)
    ) {

        Surface(
            modifier = Modifier
                .fillMaxWidth()
                .fillMaxHeight(0.7f)
                .align(Alignment.BottomCenter),
            color = Color(0XFF7218A5),
            shape = RoundedCornerShape(topStart = 30.dp,
topEnd = 30.dp)
        ) {
```

```kotlin
            Column(
                modifier = Modifier
                    .fillMaxSize()
                    .padding(horizontal = 16.dp, vertical
= 30.dp),
                horizontalAlignment =
Alignment.CenterHorizontally
            ) {

                Spacer(modifier =
Modifier.height(100.dp))

                Text(
                    text = "Log In",
                    fontSize = 22.sp,
                    color = Color.White,
                    fontWeight = FontWeight.Bold
                )

                Spacer(modifier = Modifier.height(24.dp))

                val textFieldHeight = 56.dp

                Column(
                    modifier = Modifier
                        .fillMaxWidth()
                        .padding(horizontal = 16.dp)
                ) {
                    // Email TextField
                    TextField(
                        value = "",
                        onValueChange = { /*TODO*/ },
                        label = { Text("Email") },
                        placeholder = { Text("Masukkan
email") },
                        colors =
TextFieldDefaults.colors(
                            focusedIndicatorColor =
Color.Transparent,
                            unfocusedIndicatorColor =
Color.Transparent
                        ),
                        modifier = Modifier
                            .fillMaxWidth()
                            .height(textFieldHeight)
                            .padding(vertical = 8.dp),
                        shape = RoundedCornerShape(8.dp)
                    )

                    Spacer(modifier =
Modifier.height(16.dp))

                    TextField(
                        value = "",
                        onValueChange = { /*TODO*/ },
```

```
                        label = { Text("Password") },
                        placeholder = { Text("Masukkan
password") },
                        visualTransformation =
PasswordVisualTransformation(),
                        colors =
TextFieldDefaults.colors(
                            focusedIndicatorColor =
Color.Transparent,
                            unfocusedIndicatorColor =
Color.Transparent
                        ),
                        modifier = Modifier
                            .fillMaxWidth()
                            .height(textFieldHeight)
                            .padding(vertical = 8.dp),
                        shape = RoundedCornerShape(8.dp)
                    )

                    Spacer(modifier =
Modifier.height(32.dp))

                    // Login Button
                    Button(
                        modifier = Modifier
                            .fillMaxWidth(),
                        onClick = { /*TODO*/ },
                        colors =
ButtonDefaults.buttonColors(Color.White),
                        shape = RoundedCornerShape(50.dp)
                    ) {
                        Text(
                            modifier =
Modifier.padding(8.dp),
                            text = "LOGIN",
                            fontSize = 18.sp,
                            color = Color(0XFF7218A5)
                        )
                    }

                    Spacer(modifier =
Modifier.height(32.dp))
                }

                Text(
                    textAlign = TextAlign.Center,
                    text = "Forgot Password?",
                    fontSize = 18.sp,
                    color = Color.White,
                    fontWeight = FontWeight.Bold
                )

                Spacer(modifier = Modifier.height(24.dp))

                Text(
```

```
                        textAlign = TextAlign.Center,
                        text = "or login with",
                        fontSize = 18.sp,
                        color = Color.White,
                        fontWeight = FontWeight.Normal
                    )

                    Spacer(modifier = Modifier.height(24.dp))

                    Row(
                        modifier = Modifier
                            .fillMaxWidth()
                            .padding(16.dp),
                        horizontalArrangement =
Arrangement.SpaceEvenly
                    ) {
                        // Google Button
                        IconButton(
                            onClick = { /*TODO*/ },
                            modifier = Modifier.size(48.dp)
                        ) {
                            Image(
                                painter = painterResource(id
= R.drawable.google_logo),
                                contentDescription = "Google"
                            )
                        }

                        // Facebook Button
                        IconButton(
                            onClick = { /*TODO*/ },
                            modifier = Modifier.size(48.dp)
                        ) {
                            Image(
                                painter = painterResource(id
= R.drawable.facebook_logo),
                                contentDescription =
"Facebook"
                            )
                        }

                        // X Button
                        IconButton(
                            onClick = { /*TODO*/ },
                            modifier = Modifier.size(48.dp)
                        ) {
                            Image(
                                painter = painterResource(id
= R.drawable.twitter_logo),
                                contentDescription = "X"
                            )
                        }
                    }
                }
            }
```

```kotlin
Surface(
    modifier = Modifier
        .fillMaxWidth()
        .fillMaxHeight(0.4f)
        .align(Alignment.TopCenter),
    shape = RoundedCornerShape(bottomStart =
70.dp, bottomEnd = 70.dp),
    color = Color(0xFFFFFFFF)
) {
    Box(
        contentAlignment = Alignment.Center
    ) {
        Column(
            horizontalAlignment =
Alignment.CenterHorizontally,
            modifier = Modifier.padding(10.dp)
        ) {
            Image(
                modifier = Modifier.size(150.dp),
                painter = painterResource(id =
R.drawable.onenote),
                contentDescription = "picture"
            )

            Spacer(modifier =
Modifier.height(20.dp))

            Text(
                modifier =
Modifier.padding(horizontal = 50.dp),
                text = "Microsoft OneNote",
                fontSize = 20.sp,
                color = Color(0XFF7218A5),
                fontWeight = FontWeight.Bold,
                textAlign = TextAlign.Center
            )

            Spacer(modifier =
Modifier.height(20.dp))

            Text(
                modifier =
Modifier.padding(horizontal = 50.dp),
                text = "Log in to your account to
access the app",
                fontSize = 15.sp,
                color = Color(0XFF7218A5),
                fontWeight = FontWeight.SemiBold,
                textAlign = TextAlign.Center
            )
        }
    }
}
}
```

```
}

@Preview(showBackground = true)
@Composable
fun SplashPreview() {
    Pertemuan2_splashTheme {
        Splash()
    }
}
```

C. **Screenshot** (jika soal berupa praktik)