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A. Kartu Monitoring Bimbingan Proposal



KARTU MONITORING BIMBINGAN
 MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
 FAKULTAS TEKNIK
 UNIVERSITAS MUHAMMADIYAH PAREPARE

PROPOSAL

Mahasiswa : <i>A. Firdausy</i>	Pembimbing I : <i>AGUS HARTONO ST</i>
NIM : <i>122140004</i>	Pembimbing II : <i>DR. HENDRIK YUSUF ST</i>
Judul Skripsi : <i>DESAIN APLIKASI PENGELOLAAN DATA POLISI DAN PENGELOLAAN BENDAHARA POLRESTAS KAPUR BARU</i>	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 → Cara menentukan 10 bagian → Cara input ke database → Cara input program x/y - Cara <i>Barack</i> - Algoritma <i>x/y</i>	<i>9/5/2021</i> 	Konsultasi 1 Review <i>DBMS</i> Flowchart <i>detail</i> Tambahan <i>ke cara input</i>	
Konsultasi 2 - Mengetikkan Notifikasi - Cara menentukan 10 bagian 10, <i>data</i> , 10 <i>program</i>		Konsultasi 2 Review <i>analisa</i> <i>ke data</i> Tugasan <i>Detail</i> Cara <i>input</i> <i>ke database</i> <i>ke database</i> <i>ke database</i>	
Acc		Acc	
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disertai konsultasi dan ditanda oleh Pembimbing
3. Kartu ini wajib ditempelkan pada laporan skripsi dan menjadi salah satu persyaratan untuk bisa diterima pengesahan skripsi
4. Kartu ini dibuat di atas kertas karton berwarna hijau muda dan dapat diambil balik

B. Kartu Monitoring Bimbingan Skripsi



KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

SKRIPSI

Mata Kuliah : FITRIANI TAJIB	Pembimbing I : Ade Hastuty, ST., S.Kom, M.Kom
NIM : 202000000	Pembimbing II : Muhyaffi Yonus, S.T, M.T
Judul Skripsi : SISTEM INFORMASI PENGELOLAAN DATA FACIA PERPUSTAKAAN UMUM PAREPARE	

Konsultasi / Pertemuan I	TAMBAH / KURANG	Konsultasi / Pertemuan II	KESIMPULAN & CATATAN
Konsultasi 1 Evaluasi Data dan Struktur Aplikasi	B	Konsultasi 1 Hapus Konten Data	RF
Konsultasi 2 Manajemen Tambahkan menu ke database dan ke database struktur aplikasi. Flowchart selesai	B	Konsultasi 2 Acc aplikasi Konten Database	RF
Konsultasi 3 Acc Test	B	Konsultasi 3 Jalankan test	RF
Konsultasi 4		Konsultasi 4 Penyusunan Skripsi Daftar Isi Aplikasi	RF
Konsultasi 5		Konsultasi 5 Acc	RF

Lampirkan ke halaman sebelah

Legenda :

1. Mahasiswa sudah mengikuti bimbingan 5 kali
2. Kartu ini sudah diisi oleh mahasiswa sesuai arahan dari dosen Pembimbing
3. Kartu ini akan diserahkan pada laporan akhir dan mengisi salah satu persyaratan untuk menerima pengesahan skripsi
4. Kartu ini adalah alat untuk memantau perkembangan tugas mahasiswa dan dosen pembimbing

Script Aplikasi

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
using UnityEngine.UI;
using UnityEngine.SceneManagement;

public class menu : MonoBehaviour
{
    public void pindahScene(string
scenename)
    {
SceneManager.LoadScene(scenename);
    }

    public void BackButton(string
scenename)
    {
SceneManager.LoadScene(scenename);
    }
    public void QuitButton()
    {
        Application.Quit();
        Debug.Log("ANJAY");
    }
}
using System.Collections;
using UnityEngine;
using UnityEngine.UI;

public class PanelClick :
MonoBehaviour
{
    public GameObject targetObject; //
Objek yang ingin di nonaktifkan
    private Button panelButton; //
Panel yang akan diklik (pastikan
memiliki komponen Button)

    void Start()
    {
        // Mendapatkan komponen Button

using UnityEngine;

public class PopupController :
MonoBehaviour
{
    private Animator animator;
    private bool canShowPopup =
true;

    void Start()
    {
        animator =
GetComponent<Animator>();
    }

    public void ShowPopup()
    {
        if (canShowPopup)
        {
animator.SetTrigger("Show");
            canShowPopup = false;
        }
    }

    public void HidePopup()
    {
        animator.SetTrigger("Hide");
    }

    // Panggil fungsi ini di akhir
animasi "Hide"
    public void EnableShow()
    {
        canShowPopup = true;
    }
}

using System;
using Firebase;
using Firebase.Database;
using Firebase.Extensions;
using TMLPro;
using UnityEngine;
```

```

dari panel
    panelButton =
GetComponent<Button>();

    // Menambahkan listener pada
event klik button
    if (panelButton != null)
    {

panelButton.onClick.AddListener(OnP
anelClick);
    }
    else
    {
        Debug.LogError("Button
component not found on this panel.");
    }
}

void OnPanelClick()
{
    // Menonaktifkan objek target saat
panel diklik
    if (targetObject != null)
    {
        targetObject.SetActive(false);
    }
    else
    {
        Debug.LogError("Target object
not assigned.");
    }
}

}

        }
        else
        {

Debug.LogError("Firebase connection
failed: " + task.Result);
        }
    });
}

```

```

using UnityEngine.UI;

public class BookManager :
MonoBehaviour
{
    private DatabaseReference
dbReference;
    public GameObject bookPrefab;
    public Transform contentPanel;

    void Start()
    {
        Debug.Log("Start method
called.");
        InitializeFirebase();
    }

    private void InitializeFirebase()
    {
        Debug.Log("Initializing
Firebase...");
        FirebaseApp

.CheckAndFixDependenciesAsync(
)

.ContinueWithOnMainThread(task
=>
    {
        if (task.Result ==
DependencyStatus.Available)
        {
            dbReference =
FirebaseDatabase

.GetInstance("https://perpustakaan-
apk-default-rtdb.firebaseio.com/")
.RootReference;
            Debug.Log("Firebase
connected successfully.");
            GetBookDetails();

Debug.Log($"Processing book ID:
{bookId}");

```

```

private void GetBookDetails()
{
    // Membaca koleksi yang dipilih
    dari PlayerPrefs
    string selectedKoleksi =
    PlayerPrefs.GetString("SelectedKolek
    si", "Fiksi"); // Default ke "Fiksi" jika
    tidak ada
    Debug.Log($"Fetching books
    from collection: {selectedKoleksi}");

    // Query Firebase untuk
    mengambil buku berdasarkan koleksi
    yang dipilih
    dbReference
        .Child("books")
        .OrderByChild("koleksi")
        .EqualTo(selectedKoleksi) //
    Filter berdasarkan koleksi
        .GetValueAsync()

    .ContinueWithOnMainThread(task =>
        {
            if (task.IsCompleted)
            {
                if (task.Exception != null)
                {
                    Debug.LogError("Exception occurred
                    while fetching books: " +
                    task.Exception);
                    return;
                }

                DataSnapshot snapshot =
                task.Result;

                if (snapshot.HasChildren)
                {
                    Debug.Log($"Total
                    books in {selectedKoleksi} collection:
                    {snapshot.ChildrenCount}");

                    foreach (DataSnapshot
                    bookSnapshot in snapshot.Children)
                    {

```

```

// Instansiasi
prefab dan mengisi data buku
GameObject
newBookItem =
Instantiate(bookPrefab,
contentPanel);
TMP_Text[] texts
=
newBookItem.GetComponentsInCh
ildren<TMP_Text>();
foreach
(TMP_Text text in texts)
{
    switch
    (text.name)
    {
        case "class":
            text.text =
            bookClass;

            break;
        case "judul":
            text.text =
            judul;

            break;
        case
            "penulis":
            text.text =
            penulis;

            break;
        case
            "kategori":
            text.text =
            kategori;

            break;
        case "rak":
            text.text =
            rak;

            break;
        case
            "penerbit":
            text.text =
            penerbit;

            break;
        case
            "kota_tahun":
            text.text =

```

```

        string bookId =
bookSnapshot.Key;
        string bookClass =
bookSnapshot.Child("class").Value?.T
oString();
        string judul =
bookSnapshot.Child("judul").Value?.T
oString();
        string penulis =
bookSnapshot.Child("penulis").Value?
.ToString();
        string kategori =
bookSnapshot.Child("kategori").Value
?.ToString();
        string rak =
bookSnapshot.Child("rak").Value?.To
String();
        string penerbit =
bookSnapshot.Child("penerbit").Value
?.ToString();
        string kotaTahun =
bookSnapshot.Child("kota_tahun").Va
lue?.ToString();
        string halaman =
bookSnapshot.Child("halaman").Valu
e?.ToString();
        string koleksi =
bookSnapshot.Child("koleksi").Value?
.ToString();
        int stok =
Convert.ToInt32(bookSnapshot.Child(
"stok").Value ?? 0);
    }
    else
    {
        Debug.LogError("Failed
to retrieve books: " + task.Exception);
    }
    });
}
}

using System;
using System.Collections;
using System.Collections.Generic;
using Firebase;

```

```

kotaTahun;

        break;
        case "hal":
            text.text =

        break;
        case
            text.text =

        break;
        case "stok":
            text.text =

        break;
        default:
            break;
    }
}
}

// Pastikan layout
diupdate di main thread

UnityMainThreadDispatcher
.Instance()
.Enqueue(() =>
{
    LayoutRebuilder.ForceRebuildLayo
utImmediate(

contentPanel.GetComponent<RectT
ransform>()

));

Debug.Log("Layout rebuilt after
adding all book items.");
});
}
else
{
    Debug.Log($"No
books found in the
{selectedKoleksi} collection.");
}

```

```

using Firebase.Database;
using Firebase.Extensions;
using TMPro;
using UnityEngine;
using Vuforia;

public class ScanBook :
MonoBehaviour
{
    private DatabaseReference
dbReference;
    public GameObject bookPrefab;
    public Transform contentPanel;

    // Tambahkan list
ObserverBehaviour untuk mendukung
banyak target
    public List<ObserverBehaviour>
targetObservers;

    // Flag untuk memastikan Firebase
sudah diinisialisasi
    private bool isFirebaseInitialized =
false;

    // Coroutine reference
    private Dictionary<string,
Coroutine> fetchCoroutines = new
Dictionary<string, Coroutine>();

    // Fetch interval in seconds
[SerializeField]
    private float fetchInterval = 5f; //
Sesuaikan sesuai kebutuhan

    void Start()
    {
        Debug.Log("[Start] Method
called.");
        InitializeFirebase();
    }

    private void InitializeFirebase()
    {
        Debug.Log("[InitializeFirebase]
Initializing Firebase...");

```

```

connection failed:
{dependencyStatus}");
        // Opsional: Beritahu
pengguna melalui UI
    }
    });
}

    private void InitializeVuforia()
    {
        Debug.Log("[InitializeVuforia]
Initializing Vuforia...");
        if (targetObservers == null ||
targetObservers.Count == 0)
        {

            Debug.LogError("[InitializeVuforia
] No targetObservers assigned in the
Inspector.");
            return;
        }

        foreach (var observer in
targetObservers)
        {
            if (observer != null)
            {
                observer.OnTargetStatusChanged
+= OnTargetStatusChanged;

                Debug.Log($"[InitializeVuforia]
Subscribed to target
'{observer.TargetName}'.");
            }
            else
            {
                Debug.LogError("[InitializeVuforia
] One of the targetObservers is
null.");
            }
        }
    }
}

```

```

FirebaseApp.CheckAndFixDependenciesAsync().ContinueWithOnMainThread(task =>
{
    var dependencyStatus =
task.Result;

    Debug.Log($"[InitializeFirebase]
Dependency Status:
{dependencyStatus}");
    if (dependencyStatus ==
DependencyStatus.Available)
    {
        FirebaseApp app =
FirebaseApp.DefaultInstance;
        DatabaseReference =
FirebaseDatabase
            .GetInstance(app)
            .GetReference("books");
// Mengarahkan langsung ke node
"books"

        Debug.Log("[InitializeFirebase]
Firebase connected successfully.");
        isFirebaseInitialized = true;
        InitializeVuforia(); //
Inisialisasi Vuforia setelah Firebase
siap
    }
    else
    {

        Debug.LogError($"[InitializeFirebase]
Firebase
'{behaviour.TargetName}' is not
TRACKED.");
        if
(fetchCoroutines.ContainsKey(behavi
our.TargetName))
        {

            Debug.Log($"[OnTargetStatusChange
d] Stopping coroutine for target
'{behaviour.TargetName}");

```

```

private void
OnTargetStatusChanged(ObserverB
ehaviour behaviour, TargetStatus
status)
{

    Debug.Log($"[OnTargetStatusChan
ged] Target
'{behaviour.TargetName}' status
changed to {status.Status}");

    if (status.Status ==
Status.TRACKED)
    {

        Debug.Log($"[OnTargetStatusChan
ged] Target
'{behaviour.TargetName}' is
TRACKED.");
        if (isFirebaseInitialized)
        {
            if
(!fetchCoroutines.ContainsKey(beh
aviour.TargetName))
            {

                Debug.Log($"[OnTargetStatusChan
ged] Starting coroutine for target
'{behaviour.TargetName}");

                fetchCoroutines[behaviour.TargetN
ame] =
StartCoroutine(FetchBookDetailsRe
peatedly(behaviour.TargetName));
            }
            else
            {

                Debug.Log($"[OnTargetStatusChan
ged] Coroutine already running for
target '{behaviour.TargetName}");
            }
        }
        else
        {

```

```
StopCoroutine(fetchCoroutines[behaviour.TargetName]);
```

```
fetchCoroutines.Remove(behaviour.TargetName);
    }
    // Anda mungkin perlu
    memodifikasi ClearBookDetails untuk
    menangani multiple target
    ClearBookDetails();
    }
}
```

```
private IEnumerator
FetchBookDetailsRepeatedly(string
targetName)
{
    Debug.Log($"[Coroutine]
Starting FetchBookDetailsRepeatedly
for targetName: '{targetName}'");
    while (true)
    {

FetchBookDetailsByTarget(targetName);

        yield return new
WaitForSeconds(fetchInterval);
    }
}
```

```
private void
FetchBookDetailsByTarget(string
targetName)
{
```

```
Debug.Log($"[FetchBookDetailsByTarget] Called with targetName:
'{targetName}'");
```

```
    if
(string.IsNullOrEmpty(targetName))
    {
```

```
Debug.LogError("[FetchBookDetailsByTarget] Target name is null or
empty.");
```

```
Debug.LogWarning("[OnTargetStatusChanged] Firebase not initialized.
Cannot fetch book data.");
```

```
    }
    }
    else
    {
```

```
Debug.Log($"[OnTargetStatusChanged] Target
```

```
bookSnapshot.Child("penulis").Value?.ToString() ?? "N/A";
        string kategori =
bookSnapshot.Child("kategori").Value?.ToString() ?? "N/A";
        string rak =
bookSnapshot.Child("rak").Value?.ToString() ?? "N/A";
        string penerbit =
bookSnapshot.Child("penerbit").Value?.ToString() ?? "N/A";
        string kotaTahun =
bookSnapshot.Child("kota_tahun").Value?.ToString() ?? "N/A";
        string halaman =
bookSnapshot.Child("halaman").Value?.ToString() ?? "N/A";
        string koleksi =
bookSnapshot.Child("koleksi").Value?.ToString() ?? "N/A";
        int stok = 0;
        if
(bookSnapshot.Child("stok").Exists)
        {
            if
(int.TryParse(bookSnapshot.Child("stok").Value.ToString(), out int
parsedStok))
            {
                stok = parsedStok;
            }
            else
            {
```

```
Debug.LogWarning($"[FetchBook
```

```

        return;
    }

    dbReference.Child(targetName).GetValueAsync().ContinueWithOnMainThread(task =>
    {
        if (task.IsCompleted)
        {
            if (task.Exception != null)
            {
                Debug.LogError($"[FetchBookDetailsByTarget] Exception: {task.Exception}");
                return;
            }

            DataSnapshot bookSnapshot = task.Result;

            if (bookSnapshot.Exists)
            {
                Debug.Log($"[FetchBookDetailsByTarget] Found book data for '{targetName}': {bookSnapshot.ChildrenCount} entries");

                // Ekstrak data buku dengan pengecekan null
                string bookClass = bookSnapshot.Child("class").Value?.ToString() ?? "N/A";
                string judul = bookSnapshot.Child("judul").Value?.ToString() ?? "N/A";
                string penulis =
                    string penulis,
                    string kategori,
                    string rak,
                    string penerbit,
                    string kotaTahun,
                    string halaman,

```

```

                DetailsByTarget] Stok untuk '{targetName}' tidak dapat diubah ke integer. Default ke 0.");
            }
        }
    }

```

```

    Debug.Log($"[FetchBookDetailsByTarget] Book Data: {judul}, {penulis}, {kategori}, {rak}, {penerbit}, {kotaTahun}, {halaman}, {koleksi}, {stok}");

```

```

        // Tampilkan detail buku
        DisplayBookDetails(
            bookClass,
            judul,
            penulis,
            kategori,
            rak,
            penerbit,
            kotaTahun,
            halaman,
            koleksi,
            stok
        );
    }
    else
    {

```

```

        Debug.LogWarning($"[FetchBookDetailsByTarget] No book data found for '{targetName}'. Check database.");
    }

```

```

        ClearBookDetails();
    }
    else
    {

```

```

        Debug.LogError($"[FetchBookDetailsByTarget] Task not completed. Exception: {task.Exception}");
    }
});

```

```

        string koleksi,
        int stok
    )
    {
        Debug.Log("[DisplayBookDetails]
        Displaying book details in UI...");

        if (contentPanel == null)
        {
            Debug.LogError("[DisplayBookDetail
            s] Content Panel is not assigned.");
            return;
        }

        if (bookPrefab == null)
        {
            Debug.LogError("[DisplayBookDetail
            s] Book Prefab is not assigned.");
            return;
        }

        // Clear previous entries
        foreach (Transform child in
        contentPanel)
        {
            Destroy(child.gameObject);
        }

        // Instantiate a new book item
        GameObject newBookItem =
        Instantiate(bookPrefab, contentPanel);
        TMP_Text[] texts =
        newBookItem.GetComponentsInChildren<TMP_Text>();

        foreach (TMP_Text text in texts)
        {
            switch (text.name.ToLower())
            {
                case "class":
                    text.text = bookClass;
                    break;
                case "judul":
                    text.text = bookTitle;
                    break;
            }
        }

        private void DisplayBookDetails(
            string bookClass,
            string judul,
            break;
            case "stok":
                text.text =
                stok.ToString();
                break;
            default:
                Debug.LogWarning($"[DisplayBoo
                kDetails] Unrecognized TMP_Text
                name: '{text.name}');
                break;
            }
        }

        Debug.Log("[DisplayBookDetails]
        Book details displayed in UI.");
    }

    private void ClearBookDetails()
    {
        Debug.Log("[ClearBookDetails]
        Clearing book details from UI...");
        if (contentPanel == null)
        {
            Debug.LogError("[ClearBookDetail
            s] Content Panel is not assigned.");
            return;
        }

        foreach (Transform child in
        contentPanel)
        {
            Destroy(child.gameObject);
        }
    }

    void OnDestroy()
    {

```

```

        text.text = judul;
        break;
    case "penulis":
        text.text = penulis;
        break;
    case "kategori":
        text.text = kategori;
        break;
    case "rak":
        text.text = rak;
        break;
    case "penerbit":
        text.text = penerbit;
        break;
    case "kota_tahun":
        text.text = kotaTahun;
        break;
    case "hal":
        text.text = halaman;
        break;
    case "koleksi":
        text.text = koleksi;
    OnTargetStatusChanged;

    Debug.Log($"[OnDestroy]
    Unsubscribed from target
    '{observer.TargetName}'.");
}
}
}

        Debug.Log("[OnDestroy]
        Called. Unsubscribing from Vuforia
        events.");
        if (targetObservers != null)
        {
            foreach (var observer in
            targetObservers)
            {
                if (observer != null)
                {
                    observer.OnTargetStatusChanged -
                    =

                    // Pastikan semua coroutine
                    dihentikan saat objek dihancurkan
                    foreach (var coroutine in
                    fetchCoroutines.Values)
                    {
                        if (coroutine != null)
                        {
                            StopCoroutine(coroutine);
                        }
                    }
                    fetchCoroutines.Clear();
                }
            }
        }
    }
}

```

Data Marker





		
		
		
		











		
		
		
		

