

Lampiran : Surat Keputusan Rektor IIB Dermajaya
 Nomor : SK.008/DMI/DFIK/BAAN/X-17
 Tanggal : 24 Oktober 2017
 Perihal : Pembimbing Penulisan Skripsi
 Program Studi Strata Satu (S1) Teknik Informatika

JUDUL, SKRIPSI, DAN DOSEN PEMBIMBING
 PROGRAM STUDI STRATA SATU (S1) TEKNIK INFORMATIKA

NO	MAVIX	NOVA	JUDUL	PEMBIMBING
30	1311010134	Mandahika Saputra	Perancangan Aplikasi Medis Promosi Perhiasan Way Barren Kampung Pekuaran Kotabumi Lampung Utara Berbasis Web	Puput Buji Wintoro, S.Kom, M.T.I
31	1311010055	Wahyu Anggara	Aplikasi Media Promosi Produk Kreatif DIES Berbasis 3 Dimensi Menggunakan Teknologi Augmented Reality	Rahmala Syahputri, S.Kom, M.Eng.Sc
32	1211010104	Bhakti Sanudra	Penerapan Augmented Reality Pembelajaran Komponen Dan Praktek Kendaraan Mobil Bertalis Android	Rio Kurnjawan, M.Cs
33	1411010089	Filan Anjasmara	Perangkat Lunak Informas Pusat pendidikan Dan Kebudayaan Aling Berbasis Android (Studi Kasus Warung Prancis dan China Corner IIB Dermajaya)	Ilionaldi Ali, S.Kom, M.T.I
34	1411010045	Ayu Sylvia	Aplikasi Mobile Untuk Notifikasi Kegiatan Dosen Menggunakan Metode Round Robin (Studi Kasus : IIB Dermajaya)	Sulhendro Yusuf Isanto, Dr
35	1411010076	Winda Putra Setawan	Implementasi Metode Equal Cost Multi Path (ECMP) Pada Load Balancing Jaringan SMK Negeri 1 Bandar Lampung	
36	1411010049	Steven Pratama Putra	Counter Pick Herz Dota 2 Dengan Metode Naive Bayes Berbasis Android	
37	1411010081	Lola Wahyu Cahyaningtyas	Identifikasi Kesegaran Pada Citra Ban Dengan Metode Histogram dan Gray Level Occurrence Matrix	
38	1411010062	Rizi Agus Setawan	Aplikasi Tour Guide Kebun Binatang Lembah Hijau Dengan Menggunakan QR Code Scanning	
39	1411010023	Dafni Ashadi	Implementasi Algoritma Dijkstra Untuk Penyebaran Lokasi Pemancingan Pada Kota Bandar Lampung Berbasis Android	
40	1411010078	Widia Agustriani	Rancang Bangun Aplikasi Pembelajaran Matematika Diskrit Berbasis Android	
41	1411010106	Yuli Asti	Aplikasi Diagnostik Penyakit Pada Gajah Menggunakan Teorema Bayes Berbasis Android (Studi Kasus Way Kambas Provinsi Lampung)	Septilia Afrida, S.Kom, M.T.I
42	1311010034	Yudhis Iswanto	Aplikasi Panduan Pengolahan Menu Minuman Pada De Acto Café Berbasis Android	
43	1311010030	Purwanito	Aplikasi Notifikasi Dokter dan Pasien Pada Rinko Gremat Bandar Lampung Berbasis Web Mobile	
	1211010137	Oka Febrianiyeh	Mobile 3D Sistem Metagenesis Pada Tumbuhan Menggunakan Teknologi Augmented Reality	Tri Wahyuni, S.Kom, M.T.I



BIRO ADMINISTRASI AKADEMIK KEMAHASISWAAN (BAAK)

FORM KONSULTASI/BIMBINGAN SKRIPSI/TUGAS AKHIR *)

N.A.M.A : **FILIAN ANJASMARA**
 N.P.M : **1411010089**
 PEMBIMBING I :
 PEMBIMBING II :
 JUDUL LAPORAN : **Perangkat Lunak Informasi Pusat Pendidikan Dan Kebudayaan Asing Berbasis Android (Studi kasus WP&CC)**
 TANGGAL SK : **24 Oktober 2017** (6+2 bulan)

No	HARI/TANGGAL	HASIL KONSULTASI	PARKIR
1	24/10/2017, Selasa	Revisi kata balok kata, permasalahan, dan judul	↓
2	9/11/2017, Kamis	Revisi bab 0, perubahan literatur, perbaikan kutipan	
3	15/11/2017, Rabu	Revisi kata balok kata, revisi bab 0	
4	8/1/2018, Senin	Revisi tabel dan desain	
5	15/1/2018, Senin	Revisi program	
6	19/1/2018, Jumat	Revisi program	
7	22/1/2018, Senin	Revisi pembahasan	
8	26/1/2018, Jumat	Revisi program dan pembahasan	
9	5/2/2018, Senin	Revisi kesimpulan dan saran	
10	9/2/2018, Jumat	Ace online	

*) CONTO KARTU KONSULTASI

Bandar Lampung, 13/02/2018
 Ketua BAAK

Yuni Arkhiansyah
 Yuni Arkhiansyah, S.Kom, M.Kom
 NIP. 00480802



Institut Informatika & Bisnis
DARMAJAYA
Layanan Akademik

INTERNAL MEMO

NO. : IM. 049A / DMJ/KUHI/11-18

KEPADA : Dekan Fakultas Ilmu Komputer

DARI : Kantor Urusan Hub. Internasional

TANGGAL : 5 February 2018

CC: Ka. BAAK

Perihal : Pemberian Izin Penelitian

Dengan Hormat,

Menindaklanjuti surat No. Penelitian.009/DMJ/DEKAN/BAAK/1-18 tanggal 29 Januari 2018 dengan perihal Permohonan Izin Penelitian, maka dengan ini kami mempersilahkan mahasiswa di bawah ini :

Nama : Filian Anasmara
NPM : 1411010089
Jurusan : S1 Teknik Informatika
Jenjang : Strata Satu (S1)
Judul : Perangkat Lunak Informasi Pusat Pendidikan Dan Kebudayaan Asing Berbasis Android (Studi Kasus Warung Prancis Dan China Corner IIB Darmajaya)

Untuk melakukan penelitian tersebut. Demikian hal ini disampaikan, atas perhatiannya kami ucapkan terima kasih.

Hormat kami,
Ka Kantor


Rahmalia Syahputri
NIK.01430206

No : 4.FM-D1.05.01

Revisi : 00

Tgl Berlaku : 01 November 2016

WarungPrancis.java

```
package dev.edmt.chatapp;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.Toolbar;
import android.view.MenuItem;

public class WarungPrancis extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.warung_prancis);

        Toolbar mToolbar = (Toolbar) findViewById(R.id.toolbarWP);
        setSupportActionBar(mToolbar);

        if(getSupportActionBar()!=null) {           ////backToolbar
            getSupportActionBar().setDisplayHomeAsUpEnabled(true);
            getSupportActionBar().setDisplayShowHomeEnabled(true);
            getSupportActionBar().setDisplayShowTitleEnabled(false);
        }////backToolbar

        mToolbar.setTitle(R.string.warung_prancis);
    }

    @Override
    public boolean onOptionsItemSelected (MenuItem item){
        if (item.getItemId()==android.R.id.home)
            finish();
        return super.onOptionsItemSelected(item);
    }
}
```

TentangActivity.java

```
package dev.edmt.chatapp;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.Toolbar;
import android.view.MenuItem;

public class TentangActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tentang);
        Toolbar mToolbar = (Toolbar) findViewById(R.id.toolbarTentang);
        setSupportActionBar(mToolbar);

        if(getSupportActionBar()!=null) {           ////backToolbar
            getSupportActionBar().setDisplayHomeAsUpEnabled(true);
            getSupportActionBar().setDisplayShowHomeEnabled(true);
            getSupportActionBar().setDisplayShowTitleEnabled(false);
        }////backToolbar

        mToolbar.setTitle(R.string.tentang);
    }

    @Override
    public boolean onOptionsItemSelected (MenuItem item){
        if (item.getItemId()==android.R.id.home)
            finish();
        return super.onOptionsItemSelected(item);
    }
}
```

SplashScreenActivity.java

```
package dev.edmt.chatapp;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.os.Handler;
import android.view.MotionEvent;
import android.view.View;

/**
 * An example full-screen activity that shows and hides the system UI (i.e.
 * status bar and navigation/system bar) with user interaction.
 */
public class SplashScreenActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash_screen);

        Thread mythread = new Thread() {
            @Override
            public void run() {
                try {
                    sleep(3000);
                    Intent intent = new Intent(getApplicationContext(), MainActivity.class);
                    startActivity(intent);
                    finish();
                } catch (InterruptedException e) {
                    e.printStackTrace();
                }
            }
        };
        mythread.start();
    }
}
```

MyFirebaseMessagingService.java

```
package dev.edmt.chatapp;

import android.app.NotificationManager;
import android.app.PendingIntent;
import android.app.Service;
import android.content.Context;
import android.content.Intent;
import android.media.RingtoneManager;
import android.net.Uri;
import android.support.v4.app.NotificationCompat;
import android.util.Log;

import com.google.firebase.messaging.FirebaseMessagingService;
import com.google.firebase.messaging.RemoteMessage;

import static android.content.ContentValues.TAG;

/**
 * Created by plankton on 07/02/2018.
 */

public class MyFirebaseMessagingService extends FirebaseMessagingService {

    @Override
    public void onMessageReceived(RemoteMessage remoteMessage) {

        Log.d(TAG, "From: " + remoteMessage.getFrom());
        // Check if message contains a data payload.
        Log.d(TAG, "Message data payload: " + remoteMessage.getData());
        // Check if message contains a notification payload.
        Log.d(TAG, "Message Notification Body: " +
remoteMessage.getNotification().getBody());
        sendNotification(remoteMessage.getData().get("title"),
remoteMessage.getData().get("message"));

    }
    //This method is only generating push notification
    private void sendNotification(String title, String message) {
        Intent intent = new Intent(this, MainActivity.class);
        intent.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
        intent.putExtra("title",title);
        intent.putExtra("message",message);
        PendingIntent pendingIntent = PendingIntent.getActivity(this, 0, intent,
```



```
        PendingIntent.FLAG_UPDATE_CURRENT);

        Uri defaultSoundUri =
        RingtoneManager.getDefaultUri(RingtoneManager.TYPE_NOTIFICATION);
        NotificationCompat.Builder notificationBuilder = new NotificationCompat.Builder(this)
            .setSmallIcon(R.mipmap.ic_launcher)
            .setContentTitle(title)
            .setContentText(message)
            .setAutoCancel(true)
            .setSound(defaultSoundUri)
            .setContentIntent(pendingIntent);

        NotificationManager notificationManager =
            (NotificationManager) getSystemService(Context.NOTIFICATION_SERVICE);

        notificationManager.notify(0, notificationBuilder.build());
    }
}
```

MyFirebaseInstanceIdService.java

```
package dev.edmt.chatapp;

import android.app.Service;
import android.util.Log;
import com.google.firebase.iid.FirebaseInstanceId;
import com.google.firebase.iid.FirebaseInstanceIdService;
import static android.content.ContentValues.TAG;

/**
 * Created by plankton on 07/02/2018.
 */
public class MyFirebaseInstanceIdService extends FirebaseInstanceIdService {

    /**
     * Called if InstanceID token is updated. This may occur if the security of
     * the previous token had been compromised. Note that this is called when the InstanceID
     token
     * is initially generated so this is where you would retrieve the token.
     */
    // [START refresh_token]
    @Override
    public void onTokenRefresh() {
        // Get updated InstanceID token.
        String refreshedToken = FirebaseInstanceId.getInstance().getToken();
        Log.d(TAG, "Refreshed token: " + refreshedToken);

        // TODO: Implement this method to send any registration to your app's servers.
        sendRegistrationToServer(refreshedToken);
    }
    // [END refresh_token]

    /**
     * Persist token to third-party servers.
     *
     * Modify this method to associate the user's FCM InstanceID token with any server-side
     account
     * maintained by your application.
     *
     * @param token The new token.
     */
    private void sendRegistrationToServer(String token) {
        // Add custom implementation, as needed.
    }
}
```

MainActivity.java

```
package dev.edmt.chatapp;

import android.content.Intent;
import android.support.annotation.NonNull;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.NavigationView;
import android.support.design.widget.Snackbar;
import android.support.v4.view.GravityCompat;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.ListView;
import android.widget.RelativeLayout;
import android.widget.TextView;
import android.text.format.DateFormat;

import com.firebase.ui.auth.AuthUI;
import com.firebase.ui.database.FirebaseListAdapter;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.FirebaseDatabase;

import hani.momanii.supernova_emoji_library.Actions.EmojiConActions;
import hani.momanii.supernova_emoji_library.Helper.EmojiConEditText;
import hani.momanii.supernova_emoji_library.Helper.EmojiConTextView;

public class MainActivity extends AppCompatActivity

    implements NavigationView.OnNavigationItemSelectedListener {

    TextView Title, Message;

    private static int SIGN_IN_REQUEST_CODE = 1;
    private FirebaseListAdapter<ChatMessage> adapter ;
```

```

RelativeLayout activity_main;

//Add Emojicon
EmojiconEditText emojiconEditText;
ImageView emojiButton,submitButton;
EmojIconActions emojIconActions;

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    if(item.getItemId() == R.id.menu_sign_out)
    {
        AuthUI.getInstance().signOut(this).addOnCompleteListener(new
OnCompleteListener<Void>() {
            @Override
            public void onComplete(@NonNull Task<Void> task) {
                Snackbar.make(activity_main,"You have been signed out.",
Snackbar.LENGTH_SHORT).show();
                finish();
            }
        });
    }
    return true;
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.main_menu,menu);
    return true;
}

@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if(requestCode == SIGN_IN_REQUEST_CODE)
    {
        if(resultCode == RESULT_OK)
        {
            Snackbar.make(activity_main,"Successfully signed in.Welcome!",
Snackbar.LENGTH_SHORT).show();
            displayChatMessage();
        }
        else{
            Snackbar.make(activity_main,"We couldn't sign you in.Please try again later",
Snackbar.LENGTH_SHORT).show();
            finish();
        }
    }
}

```

```

    }
    }
}

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
    setSupportActionBar(toolbar);
    activity_main = (RelativeLayout) findViewById(R.id.activity_second);

    //Add Emoji
    emojiButton = (ImageView) findViewById(R.id.emoji_button);
    submitButton = (ImageView) findViewById(R.id.submit_button);
    emojiEditText = (EmojiEditText) findViewById(R.id.emoji_edit_text);
    emojiActions = new
EmojiActions(getApplicationContext(), activity_main, emojiButton, emojiEditText);
    emojiActions.ShowEmoji();

////////////////////////////////////
    if (getIntent().getExtras() != null)
    {
        for (String key : getIntent().getExtras().keySet())
        {
            if (key.equals("title"))
                Title.setText(getIntent().getExtras().getString(key));
            else if (key.equals("message"))
                Message.setText(getIntent().getExtras().getString(key));
        }
    }
////////////////////////////////////

    submitButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            FirebaseDatabase.getInstance().getReference().push().setValue(new
ChatMessage(emojiEditText.getText().toString(),
                FirebaseAuth.getInstance().getCurrentUser().getEmail()));
            emojiEditText.setText("");
            emojiEditText.requestFocus();
        }
    });

    //Check if not sign-in then navigate Signin page

```

```

        if(FirebaseAuth.getInstance().getCurrentUser() == null)
        {

startActivityForResult(AuthUI.getInstance().createSignInIntentBuilder().build(),SIGN_IN_REQ
UEST_CODE);
        }
        else
        {
            Snackbar.make(activity_main,"Welcome
"+FirebaseAuth.getInstance().getCurrentUser().getEmail(),Snackbar.LENGTH_SHORT).show()
;
            //Load content
            displayChatMessage();
        }

        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
        ActionBarDrawerToggle toggle = new ActionBarDrawerToggle(
            this, drawer, toolbar, R.string.navigation_drawer_open,
R.string.navigation_drawer_close);
        drawer.addDrawerListener(toggle);
        toggle.syncState();

        NavigationView navigationView = (NavigationView) findViewById(R.id.nav_view);
        navigationView.setNavigationItemSelectedListener(this);
    }

private void displayChatMessage() {

    ListView listOfMessage = (ListView)findViewById(R.id.list_of_message);
    adapter = new
FirebaseListAdapter<ChatMessage>(this,ChatMessage.class,R.layout.list_item,FirebaseData
base.getInstance().getReference())
    {
        @Override
        protected void populateView(View v, ChatMessage model, int position) {

            //Get references to the views of list_item.xml
            TextView messageText, messageUser, messageTime;
            messageText = (EmojiconTextView) v.findViewById(R.id.message_text);
            messageUser = (TextView) v.findViewById(R.id.message_user);
            messageTime = (TextView) v.findViewById(R.id.message_time);

            messageText.setText(model.getMessageText());
            messageUser.setText(model.getMessageUser());

```

```
        messageTime.setText(DateFormat.format("dd-MM-yyyy (HH:mm:ss)",
model.getMessageTime()));
```

```
    }
};
listOfMessage.setAdapter(adapter);
}
```

```
public boolean onNavigationItemSelected(MenuItem item) {
```

```
    // Handle navigation view item clicks here.
```

```
    int id = item.getItemId();
```

```
    if (id == R.id.nav_gallery) {
```

```
        Intent intentGallery= new Intent(MainActivity.this,ChinaCorner.class);
```

```
        startActivity(intentGallery);
```

```
    } else if (id == R.id.nav_slideshow) {
```

```
        Intent intentDocument = new Intent(MainActivity.this, WarungPrancis.class);
```

```
        startActivity(intentDocument);
```

```
    } else if (id == R.id.nav_about) {
```

```
        Intent intentTentang= new Intent(MainActivity.this, TentangActivity.class);
```

```
        startActivity(intentTentang);
```

```
    } else if (id == R.id.nav_share) {
```

```
    }
```

```
    DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
```

```
    drawer.closeDrawer(GravityCompat.START);
```

```
    return true;
```

```
    }
```

```
}
```

ChinaCorner.java

```
package dev.edmt.chatapp;  
import java.util.Date;
```

```
/**  
 * Created by reale on 18/11/2016.  
 */  
public class ChatMessage {  
    private String messageText;  
    private String messageUser;  
    private long messageTime;  
  
    public ChatMessage(String messageText, String messageUser) {  
        this.messageText = messageText;  
        this.messageUser = messageUser;  
  
        messageTime = new Date().getTime();  
    }  
  
    public ChatMessage() {  
    }  
  
    public String getMessageText() {  
        return messageText;  
    }  
  
    public void setMessageText(String messageText) {  
        this.messageText = messageText;  
    }  
  
    public String getMessageUser() {  
        return messageUser;  
    }  
  
    public void setMessageUser(String messageUser) {  
        this.messageUser = messageUser;  
    }  
  
    public long getMessageTime() {  
        return messageTime;  
    }  
    public void setMessageTime(long messageTime) {  
        this.messageTime = messageTime;  
    }  
}
```


ChatMessage.java

```
package dev.edmt.chatapp;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.Toolbar;
import android.view.MenuItem;

public class ChinaCorner extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.china_corner);

        Toolbar mToolbar = (Toolbar) findViewById(R.id.toolbarCC);
        setSupportActionBar(mToolbar);

        if(getSupportActionBar()!=null) {           ////backToolbar
            getSupportActionBar().setDisplayHomeAsUpEnabled(true);
            getSupportActionBar().setDisplayShowHomeEnabled(true);
            getSupportActionBar().setDisplayShowTitleEnabled(false);
        }////backToolbar

        mToolbar.setTitle(R.string.china_corner);
    }

    @Override
    public boolean onOptionsItemSelected (MenuItem item){
        if (item.getItemId()==android.R.id.home)
            finish();
        return super.onOptionsItemSelected(item);
    }
}
```