LAMPIRAN

1. activity_front_menu.xml

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/wooden_bg"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="24dp"
    android:paddingRight="24dp"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.sumanto.tugasakhir.FrontMenuActivity" >

    <RelativeLayout
        android:id="@+id/layout_logo"
        android:layout_width="match_parent"
        android:layout_height="240dp" >

        <TextView
            android:id="@+id/textView_kuis"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentTop="true"
            android:layout_centerHorizontal="true"
            android:layout_marginBottom="6dp"
            android:layout_marginTop="6dp"
            android:text="KUIS"
            android:textColor="#000"
```

```
        android:textSize="22sp"
        android:textStyle="bold" />


    <TextView
        android:id="@+id/textView_logo"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView_kuis"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="6dp"
        android:text="@string/label_logo"
        android:textColor="#000"
        android:textSize="22sp"
        android:textStyle="bold" />


    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_below="@+id/textView_logo"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="6dp"
        android:src="@drawable/main_icon" />
</RelativeLayout>

<EditText
    android:id="@+id/edittext_username"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```xml
        android:layout_gravity="center"

        android:layout_below="@+id/layout_logo"

        android:maxLength="32"

        android:singleLine="true"

        android:inputType="text"

        android:hint="Nick Name"

        android:textColor="@android:color/black"/>


    <Button

        android:id="@+id/button_play"

        style="@style/MenuButtonPlay"

        android:layout_below="@+id/edittext_username"

        android:layout_centerHorizontal="true"

        android:background="@drawable/selector_main_button_green"

        android:text="PLAY" />


    <Button

        android:id="@+id/button_highScore"

        style="@style/MenuButton"

        android:layout_below="@+id/button_play"

        android:layout_centerHorizontal="true"

        android:background="@drawable/selector_main_button_blue"

        android:text="High Score" />


    <Button

        android:id="@+id/button_setting"

        style="@style/MenuButton"

        android:layout_below="@+id/button_highScore"

        android:layout_centerHorizontal="true"
```

```
    android:background="@drawable/selector_main_button_blue"
    android:text="Setting" />
  <Button
    android:id="@+id/button_about"
    style="@style/MenuButton"
    android:layout_below="@+id/button_setting"
    android:layout_centerHorizontal="true"
    android:background="@drawable/selector_main_button_blue"
    android:text="About" />


</RelativeLayout>
```

2. activity_main.xml

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:background="@drawable/wooden_bg"
  tools:context="com.sumanto.tugasakhir.MainActivity" >


  <LinearLayout
    android:id="@+id/layout_header"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:background="#DFDFDF"
    android:orientation="horizontal"
    android:paddingBottom="8dp"
    android:paddingTop="4dp"
```

```xml
    android:weightSum="7" >

<LinearLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="-3dp"
    android:layout_marginTop="5dp"
    android:layout_weight="2"
    android:background="@drawable/rounded_corner_green"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView_level_label"
        style="@style/HeaderSmallTextView"
        android:text="Level" />

    <TextView
        android:id="@+id/textView_level"
        style="@style/HeaderBigTextView"
        android:text="01" />
</LinearLayout>

<LinearLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="3"
    android:orientation="vertical" >

    <TextView
```

```xml
        android:id="@+id/textView_category"
        style="@style/HeaderBigTextView"
        android:text="Matematika"
        android:textStyle="bold" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:paddingLeft="24dp"
        android:paddingRight="24dp"
        android:paddingTop="4dp"
        android:weightSum="3" >

        <ImageView
            android:id="@+id/imageView_handicap1"
            android:layout_width="24dp"
            android:layout_height="24dp"
            android:layout_weight="1"
            android:src="@drawable/heart" />

        <ImageView
            android:id="@+id/imageView_handicap2"
            android:layout_width="24dp"
            android:layout_height="24dp"
            android:layout_weight="1"
            android:src="@drawable/heart" />

        <ImageView
```

```
            android:id="@+id/imageView_handicap3"
            android:layout_width="24dp"
            android:layout_height="24dp"
            android:layout_weight="1"
            android:src="@drawable/heart" />
    </LinearLayout>
  </LinearLayout>

  <LinearLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginRight="-3dp"
    android:layout_marginTop="5dp"
    android:layout_weight="2"
    android:background="@drawable/rounded_corner_blue"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView_score_label"
        style="@style/HeaderSmallTextView"
        android:text="score" />

    <TextView
        android:id="@+id/textView_score"
        style="@style/HeaderBigTextView"
        android:text="999" />
  </LinearLayout>
</LinearLayout>
```

```
<View
    android:id="@+id/view_separator"
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:layout_below="@+id/layout_header"
    android:layout_marginBottom="10dp"
    android:background="#000" />

<ScrollView
    android:id="@+id/scrollView_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_below="@+id/view_separator" >

    <LinearLayout
        android:id="@+id/layout_buttonContainer"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:padding="12dp" >

        <LinearLayout
            android:id="@+id/layout_question_container"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@drawable/rounded_corner_bw"
            android:orientation="vertical" >

            <com.sumanto.tugasakhir.app.FillRatioImageView
```

```xml
        android:id="@+id/imageView_question"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="6dp"
        android:src="#EAEAEA"
        android:visibility="gone" />

    <TextView
        android:id="@+id/textView_question"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="20dp"
        android:background="@null"
        android:text=""
        android:textColor="#000"
        android:textSize="17sp" />
</LinearLayout>

<Button
    android:id="@+id/button_answer1"
    style="@style/AnswerButton"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@drawable/selector_main_button_gray"
    android:gravity="center"
    android:text="@string/label_answer1" />

<Button
    android:id="@+id/button_answer2"
```

```xml
            style="@style/AnswerButton"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@drawable/selector_main_button_gray"
            android:gravity="center"
            android:text="@string/label_answer2" />

        <Button
            android:id="@+id/button_answer3"
            style="@style/AnswerButton"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@drawable/selector_main_button_gray"
            android:gravity="center"
            android:text="@string/label_answer3" />

        <Button
            android:id="@+id/button_answer4"
            style="@style/AnswerButton"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@drawable/selector_main_button_gray"
            android:gravity="center"
            android:text="@string/label_answer4" />
    </LinearLayout>
</ScrollView>

<include
    android:id="@+id/layout_high_score_dialog"
```

```
    android:layout_width="match_parent"

    android:layout_height="match_parent"

    layout="@layout/layout_high_score_dialog"

    android:visibility="gone" />


</RelativeLayout>
```

3. MainActivity.java

```java
private void validateAnswer(String choice){
                if(choice.equals(question.getTrueAnswer())){
                        Assets.playSound(Assets.trueSound);
                        level++;
                        counter=total;
                        total+=question.getScore();
                        animateScore();
                        qid1="";
                        qid2="";
                        if (level <= categoryMaxLevel) {
                                downloadQuestion(level);
                        } else {
                                setBlank();
                                showHighScoreDialog();
                        }
                }else{
                        if(qid1.length()==0)
                                qid1 = question.getQuestionId();
                        else
                                qid2 = question.getQuestionId();
                        Assets.playSound(Assets.falseSound);
```

```java
                            if(handicap == 3){

        handicap3.setVisibility(View.INVISIBLE);
                            }else if(handicap == 2){

        handicap2.setVisibility(View.INVISIBLE);
                            }
                            handicap--;
                            if (handicap == 0)
                                    showHighScoreDialog();
                            else
                                    downloadQuestion(level);
                }
        }

        private void randomizeAnswer(Question question) {
                this.question = question;
                //Picasso.with(this).load(url).into(holder.offerImage);
                String url =
"http://www.beritaexpress.com/content_manager/"+question.getImageUrl();
                if(question.getImageUrl()!=""){

        Picasso.with(this).load(url).into(imageViewQuestion);
                            imageViewQuestion.setVisibility(View.VISIBLE);
                }else{
                            imageViewQuestion.setVisibility(View.GONE);
                }
                textViewLevelHeader.setText(String.valueOf(level));
                textViewQuestion.setText(question.getQuestion());
```

```java
                    int size = 4;
                    ArrayList<Integer> list = new ArrayList<Integer>(size);
                    for (int i = 1; i <= size; i++) {
                            list.add(i);
                    }
                    Collections.shuffle(list);
        }


        private void showProgressDialog() {
                    pDialog.show();
        }


        private void hideProgressDialog() {
                    pDialog.hide();
        }


        private void downloadQuestion(int level) {
                    showProgressDialog();
                    String url = buildQuestionURL(level);
                    JsonObjectRequest jsonObjReq = new
JsonObjectRequest(Method.GET, url, null, new
Response.Listener<JSONObject>() {
@Override
public void onResponse(JSONObject response) {
        msgResponse.setText(response.toString());
        randomizeAnswer(new Question(response));
        hideProgressDialog();
                                            }
```

```
}, new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
        setBlank();
        VolleyLog.d(TAG, "Error: " + error.getMessage());
        hideProgressDialog();}}) {
        @Override
        public Map<String, String> getHeaders() throws AuthFailureError {
        HashMap<String, String> headers = new HashMap<String, String>();
        headers.put("Content-Type", "application/json");
                return headers;
        }


        AppController.getInstance().addToRequestQueue(jsonObjReq,
tag_json_obj);
        }


        private void postHighScore(final String name, final String deviceId,
final String scoreString){
                pDialog.show();
                String tag_post = "post_req";
                String postUrl = BASE_URL+"highscore/addHighscore";
                JSONObject params = new JSONObject();
                try {
                        params.put("nick_name", username);
                        params.put("category_id", category);
                        params.put("device_id", deviceId);
                        params.put("score", scoreString);
                } catch (JSONException e) {
```

```
                              e.printStackTrace();
                    }
                       JsonObjectRequest jsonObjReq1 = new
JsonObjectRequest(Method.POST,postUrl, params,
          new Response.Listener<JSONObject>() {
          @Override
          public void onResponse(JSONObject response) {
          Log.d(TAG, response.toString());
          buttonPostScoreDialog.setEnabled(false);
          buttonPostScoreDialog.setText("score posted");
          pDialog.hide();}
}, new Response.ErrorListener() {
          @Override
          public void onErrorResponse(VolleyError error) {
          VolleyLog.d(TAG, "Error: " + error.getMessage());
          buttonPostScoreDialog.setEnabled(false);
          buttonPostScoreDialog.setText("no returned");
          pDialog.hide();}});


private void showHighScoreDialog(){
          final String androidId = Settings.Secure.getString(getContentResolver(),
                    Settings.Secure.ANDROID_ID);
          viewHighScoreDialog.setVisibility(View.VISIBLE);
          textViewHighScoreDialog.setText(String.valueOf(total));
          buttonPostScoreDialog.setOnClickListener(new OnClickListener() {


                       @Override
                       public void onClick(View v) {
          postHighScore("TEST99", androidId , String.valueOf(total));
```

```
                    }
        });
buttonPlayAgainDialog.setOnClickListener(new OnClickListener() {

                @Override
                public void onClick(View v) {
                        initData();

viewHighScoreDialog.setVisibility(View.GONE);
                        downloadQuestion(level);
                }
        });
buttonBackToMenuDialog.setOnClickListener(new OnClickListener(){

                @Override
                public void onClick(View v) {
                        finish();
                }
        });
}
```