Spesifikasi Protokol

Port = 25000

Host = Localhost

Message dari Client

```java
public static String loginMessage(String username, String password){
        //message : action;username;password
        String temp = "login;"+username+";"+password;
        return temp;
    }

    public static String logoutMessage(){
        //message : logout
        String temp = "logout";
        return temp;
    }

    public static String syncMessage(){
        //message : message
        String temp = "sync";
        return temp;
    }

    public static String listMessage(String username){
        //message : list;username
        String temp = "list;"+username;
        return temp;
    }

    public static String postChange(String id, String username, String
value){
        String temp = "post;"+id+";"+username+";"+value;
        return temp;
    }
```

Message dari Server

```java
public static String runCommand(ArrayList l) throws ClassNotFoundException,
SQLException, NoSuchAlgorithmException{
        String message = " failed";
        if(l.get(0).equals("login")){
            //action login
            boolean isExist = false;
            isExist = Login.isUserExist(l.get(1).toString(),
l.get(2).toString());
            if(isExist){
                message = "login successfull";
            }
            else{
                message = "login failed";
            }
```

```java
            }
        else if(l.get(0).equals("logout")){
            //action logout
            message = "logout action";
        }
        else if(l.get(0).equals("list")){
            //action list task
            ListTask listTask = new ListTask();
            ArrayList<Task> sesuatucuk =
ListTask.getTaskAll(ListTask.getIdUser(l.get(1).toString()));
            String msg = ListTask.convertTaskToString(sesuatucuk);
            message = msg;
        }
        else if(l.get(0).equals("post")){
            //action post changes
            message = "post";
        }
        else if(l.get(0).equals("sync")){
            //action sync task
            message = "sync";
        }
        return message;
    }
```