NAMA : EVI FITRIYA

NIM : 1201222005

MATA KULIAH : PENGUJIAN PERANGKAT LUNAK

TUGAS : Mahasiswa akan mengidentifikasi masukan (input) dan luaran (output) dari

setiap tahap Software Testing Life Cycle.

**TAHAP SOFTWARE TESTING LIFE CYCLE**

1. **Requirement Aanlysis**
2. **Test Planning**
3. **Test Cases Designing**
4. **Test Environment Setup**
5. **Test Execution**
6. **Defect Reporting**
7. **Test Closure**
8. **Requirement Analysis**

* **Input:** 
  + Kebutuhan Functional (Case)
  + Software Requirements Document (SRD)
  + Acceptance Criteria
  + Product Architecture.
* **Output:** 
  + SRS (Software Requirement Specification)
  + Requirement Traceability Matrix (RTM) (Didalam SRS)
  + Laporan Kelayakan Otomatisasi (automation feasibility report)

1. **Test Planning**

* **Input:** 
  + SRS (Software Requirement Specification)
  + Requirement Traceability Matrix (RTM)
  + Laporan Kelayakan Otomatisasi (automation feasibility report)
* **Output:** 
  + approved test plan including timelines
  + risk/cost analysis

1. **Test Cases Designing**

* **Input:**
  + approved test plan including timelines
  + risk/cost analysis
* **Output:**
  + approved test cases
  + automation scripts

1. **Test Environment Setup**

* **Input:**
  + system design and project architecture definitions
* **Output:**
  + a fully functional test environment
  + approved test cases

1. **Test Execution**

**Defect Reporting berjalan bersama Test Execution**

* **Input:**
  + SRS
  + RTM
  + approved test plan including timelines
  + risk/cost analysis
  + approved test cases
  + automation scripts
  + a fully functional test environment
  + approved test cases
* **Output:**
  + all tests are performed, and results are documented
  + Test Execution Report
  + Defect Log/Bug Report

1. **Test Closure**

* **Input:**
  + SRS
  + RTM
  + approved test plan including timelines
  + risk/cost analysis
  + approved test cases
  + automation scripts
  + a fully functional test environment
  + approved test cases
  + Defect Log/Bug Report
* **Output:**
  + Test Result Analysis
  + Test Closure Report