



# SESI *HANDS ON* PENGUJIAN PRESTASI MENGGUNAKAN JMETER (*BEGINNER LEVEL*)

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# TUGASAN PESERTA

1. CREATE NEW JMETER TEST PLAN USING TEMPLATES
2. SCRIPTING, ADD TOKEN AND RESPONSE ASSERTION
  - ✓ Bixtxn 1: Create Users
  - ✓ Bixtxn 2: Create Tickets
  - ✓ Bixtxn 3: View Report
3. DATA PREPARATION
  - ✓ Prepare CSV File
  - ✓ Add users using Bixtxn 1
4. PERFORMING LOAD TEST
5. GENERATE REPORT
  - ✓ Save Summary Report
  - ✓ Generate HTML Report
6. REPORT PRESENTATION
  - ✓ Using report templates



## BIXTXN 1: CREATE USERS

Transaction Name/Prefix	Activities Create Users
Landingpage	Type url <b>your_ip_address</b> /hesk/admin
Login	Fill up login credential <b>administrator, administrator</b>
Clickusers	Click tab <b>users</b>
	<ul style="list-style-type: none"><li>• Fill up <u>Profile Information</u><ul style="list-style-type: none"><li>✓ Real name: <b>pengguna01</b></li><li>✓ Email: <b>pengguna01@gmail.com</b></li><li>✓ Username: <b>pengguna01</b></li><li>✓ Password: <b>password</b></li><li>✓ Confirm password: <b>password</b></li></ul></li><li>• Fill up <u>Permission</u><ul style="list-style-type: none"><li>✓ Choose : <b>Staff</b></li><li>✓ Choose : Can run reports (all)</li></ul></li></ul>
Createuser	Click <b>Create User</b>
Logout	Click <b>logout</b>

## BIXTXN 2: CREATE TICKETS

Setiap pengguna akan menjana 3 tiket setiap seorang

Transaction Name/Prefix	Activities Create Tickets
Landingpage	Click url <b>your_ip_address</b> /hesk/admin
Login	Fill up login credential <b>pengguna01, password</b>
Newticket	Click tab <b>+New Ticket</b> Fill up the form
Createticket	Click <b>Submit Ticket</b>
Gohome	Click <b>Home</b>
Logout	Click <b>Logout</b>

### BIXTXN 3: VIEW REPORT

Prefix	Activities View Report
Landingpage	Click url <b>your_ip_address</b> /hesk/admin
Login	Fill up login credential <b>pengguna01, password</b>
Report	Click tab <b>Reports</b>
Selectdate	Select From <b>27/07/2021</b> to <b>28/07/2021</b>
Displayreport	Click <b>Display Report</b>
Logout	Click <b>Logout</b>

# PERFORMING LOAD TEST

CONTOH DATA PREPARATION FOR 100 USERS IN SYSTEM USING BIZTXN 1:

No	Business Transactions	No of Concurrent User
1	BizTxn 1: Create Users	20
	Ramp Up (second)	20
	Loop	5
	Scheduler (second)	-
3	Total	100

# PERFORMING LOAD TEST

## LOAD TEST PLAN

No	Business Transactions	Weightage (%)	No of Concurrent User			
			Iteration 1	Iteration 2	Iteration 3	Stress Test
1	BizTxn 2: Create Tickets	80	80	160	400/240	800
	Ramp Up (second)	-	40	80	100	200
	Loop (Forever)	-	Yes	Yes	Yes	Yes
	Scheduler (second)	-	220	260	380	700
2	BizTxn 3: View Reports	20	20	40	100/60	200
	Ramp Up (second)	-	10	20	50	100
	Loop (Forever)	-	Yes	Yes	Yes	Yes
	Scheduler (second)	-	220	260	380	700
3	Total	100	100	200	500	1000



**SELAMAT  
MENCUBA!!**



**TERIMA KASIH**

