

EEP1 – Week 2

22/8/2023 – E4A-06-03

AXXXXXXX - Brians Tjipto Meidianto

Activity 1

1. **What are the emergency exits in the laboratory you are in?**

Exit A and Exit B (front and back of the Lab).

2. **What are the evacuation or escape routes from the space you are in?**

Exit A: down the stairs to level 1, and find E6 or E7 (between)

Exit B: down the stairs, go through the door, turn right, left when you see the shelter, and walk straight in between the white tank, and you find E6 or E7 (between).

3. **What is the designated assembly point for the space you are in?**

Between E6 and E7.

Activity 2

1. **Identify acts in the video that are in your opinion unsafe.**

He never wears any safety PPE equipment.

He placed his eye near the machine when the machine was in operation.

He used his bare hands to touch the machine when the machine was in operation.

2. **Suggest controls that should be put in place in this experiment.**

PPE: Wear Safety PPE equipment, such as safety goggles, gloves, and ear muffs.

Administrative controls: Do not touch the machine when it is in operation.

Engineering controls: Add a protective screen or guard to protect the user, so that when the material breaks it doesn't shatter all around the place.

Activity 3

On the next page.

Risk Assessment Matrix

Activity or Experiment-Based Risk Assessment Form			
Department:	Faculty of Engineering	Name of Experiment/Activity: Soldiering	
Location:	E4A-06-03 Linear Electronics Lab		
Date:	22/08/2023		

1. Hazard Identification				2. Risk Evaluation & Control							
Task	Hazards	Possible Consequences	Existing Risk Control (if any)	Severity	Likelihood	Risk	Additional / New Risk Control	Severity	Likelihood	Risk	Action By
Soldiering a resistor on to a board	Burn hazard	May burn your fingers May burn your eyes		(1) Minor	(2) Possible	(2) Low	Working from a safe distance (not placing hands near soldiering iron tip) Wear safety goggles Wear a mask Wear gloves	(1) Minor	(1) Remote	(1) Low	Soldiering
	Smoke Fume Hazard	May cause irritation to your nose and eyes		(1) Minor	(2) Possible	(2) Low		(1) Minor	(1) Remote	(1) Low	

Conducted by: (Name, designation)	Brians Tjipto Meidianto	Approved by: (Name, designation)	Sebastian Siew
Signature:	Brians Tjipto	Signature:	
Date:	22/08/2023	Date:	