

# BPS1353 Hazard Recognition & Risk Management

## Risk Control (Part II)

by

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# Chapter Description

- Aims
  - Explain the Type of Control
- Expected Outcomes
  - Understand the hierarchy of risk control
- References
  - Guidelines for Hazard Identification, Risk Assessment and Risk Control (HIRARC), DOSH (2008), JKKP DP 127/789/4-47, ISBN 978-983-2014-62-1



# Content

- Hierarchy of Control
- Principle of risk control



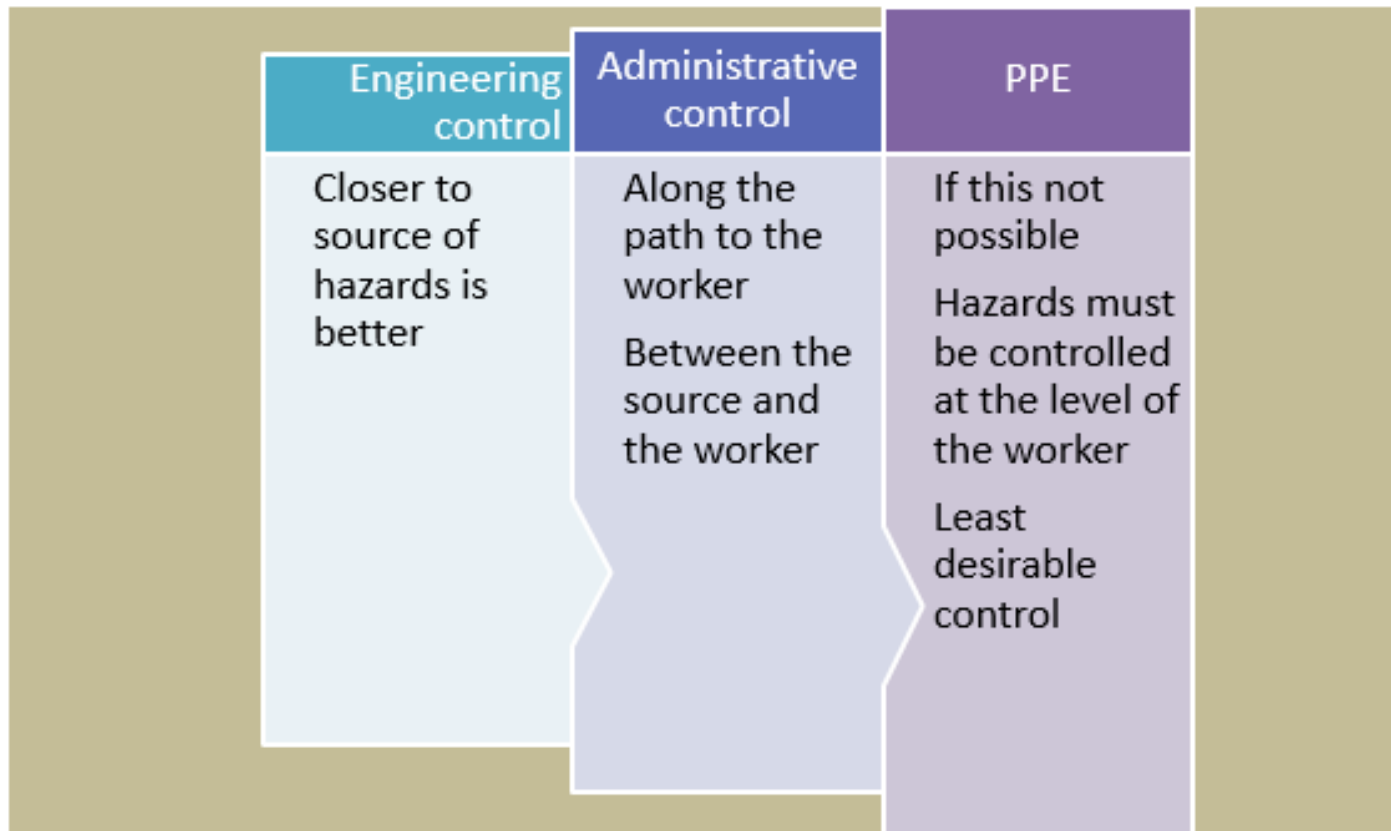
# Hierarchy of control



Anna Frodesiak



# Hierarchy of control



# Type of Control

## At source of hazard

- Elimination
- Substitution

## Engineering control

- Redesign jobs and processes
- Isolation or keep it away
- Automated the dangerous processes
- Barriers
- Absorption
- Dilution (e.g. toxic gases)

# Type of Control

## Administrative controls

- Safe work procedures
- Supervision and training
- Job rotations
- Housekeeping, repair and maintenance program
- Hygiene practices

## PPE

- PPE used when other control measures are not feasible
- Workers trained properly

# Conclusion

- Risk control measures should be select and implement following the hierarchy for better outcome .

