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HEALTH

Introduction of Environmental Health

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Definition of Health

World Health Organization

A state of complete physical, mental and social well-being and not merely the absence of disease or infirmity

Republic of Indonesia Law 36/ 2009

Kesehatan adalah keadaan sehat, baik secara fisik, mental, spritual maupun sosial yang memungkinkan setiap orang untuk hidup produktif secara sosial dan ekonomis.

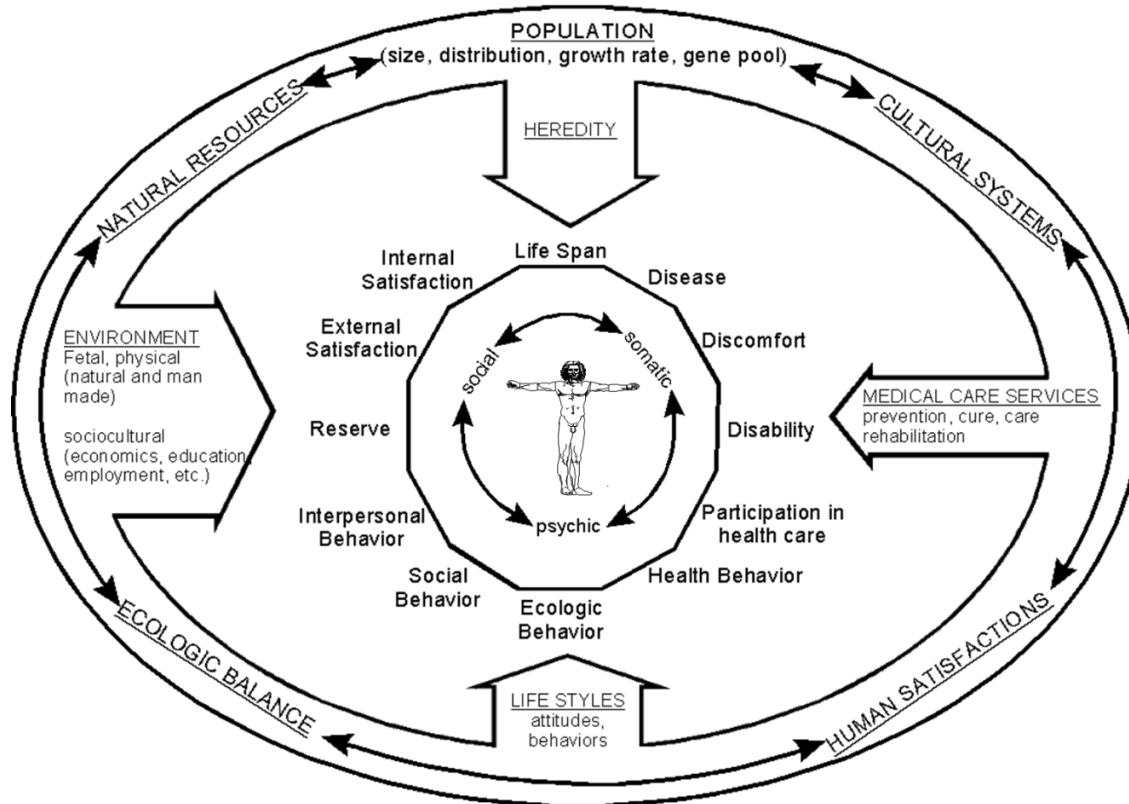
A healthy condition, physically, mentally, spiritually and socially that enables everyone to live productively socially and economically.



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Force Field and Well-Being Paradigms of Health (Blum, 1974)

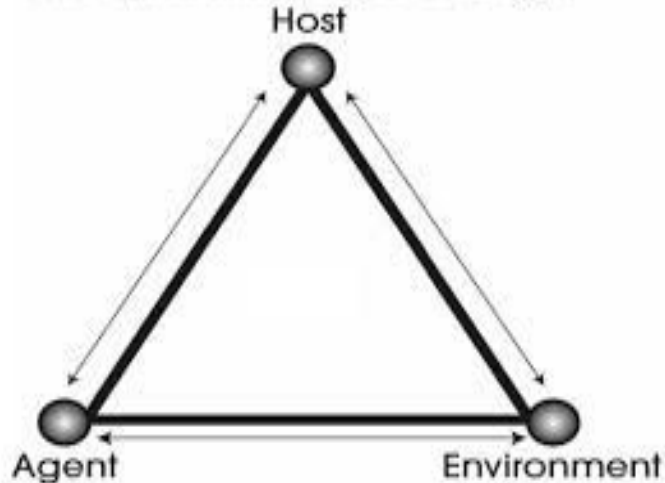


Health Determinants:

- Heredity
- Environment
- Lifestyle
- Medical Services

Epidemiologic Triangle

The Epidemiologic Triangle



Agent

- Chemical
- Physical
- Ergonomic
- Biologic
- Psychological

Host

- Age
- Race
- Immune status
- Religion
- Occupation
- Previous diseases

Environment

- Temperature
- Humidity



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Environmental Health

Environmental health is the science and practice of preventing human injury and illness and promoting well-being by:

- Identifying and evaluating environmental sources and hazardous agents and
- Limiting exposures to hazardous physical, chemical, and biological agents in air, water, soil, food, and other environmental media or settings that may adversely affect human health.



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Importance of Environmental Health (SDGs)



- Goal 2: Zero Hunger
- Goal 3: Good Health and Well-Being
- Goal 6: Clean Water & Sanitation
- Goal 13: Climate Action
- Goal 14: Life Below Water
- Goal 15: Life on Land



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Basics of Environmental Health in the Department of Environmental Health Faculty of Public Health Universitas Indonesia

Course Learning Outcome:

Students are able to explain the development of science, concepts and technology in the field of environmental health as well as environmental dynamics, hazards and health and illness conditions in the community



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Course Scopes in the Basics of Environmental Health

- Ecology and ecosystem
- Disease-causing agents
- Air pollution
- Water pollution
- Food contamination
- Vectors and disease-carrying animals
- Liquid and solid waste
- Environmental health in settlements and housing

- Environmental health in the industry
- Environmental health in public places, tourism and transportation
- Environmental health in agriculture and livestock
- Global environmental health and climate change



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The problems and challenges of environmental pollution have been so **significant** and **urgent** to be controlled as well as prevented from spreading, but human resources with special environmental health skills are still **very limited in number**. For this reason, an Environmental Health Study Program is needed to address various environmental challenges and problems in Indonesia.