



PETA KONSEP CONCEPT MAP

Jenis-jenis / Types

Pegun Static

Membujur
Longitudinal

- Mampatan
Compression
- Regangan
Rarefaction

Melintang
Transverse

- Puncak
Crest
- Lembangan
Trough

Progresif Progressive

Mekanikal
Mechanical

Bunyi
Sound

Elektromagnet
Electromagnetic

- Gama / Gamma
- Sinar-X / X-ray
- Ultraungu / Ultraviolet
- Cahaya nampak / Visible light
- Inframerah / Infrared
- Gelombang mikro / Microwave
- Gelombang radio / Radio wave

GELOMBANG WAVE

Ciri-ciri Characteristics

- Sesaran
Displacement
- Amplitud
Amplitude
- Tempoh
Amplitude
- Frekuensi, f
Frequency, f

Panjang gelombang, λ
Wavelength, λ

Fenomena Phenomena

Pantulan
Reflection

Pembiasan
Refraction

$$\frac{v_1}{\lambda_1} = \frac{v_2}{\lambda_2}$$

Pembelauan
Diffraction

$$x = \frac{D\lambda}{a}$$

Interferens
Interference

- Membina
Constructive
- Memusnah
Destructive

melibatkan
involves

menghasilkan
produces

Getaran Oscillation

Resonans
Resonance

Frekuensi asli
Natural frequency

Pelembapan
Damping

- Luaran
External
- Dalam
Internal

Laju gelombang, $v = f\lambda$
Wave speed, $v = f\lambda$