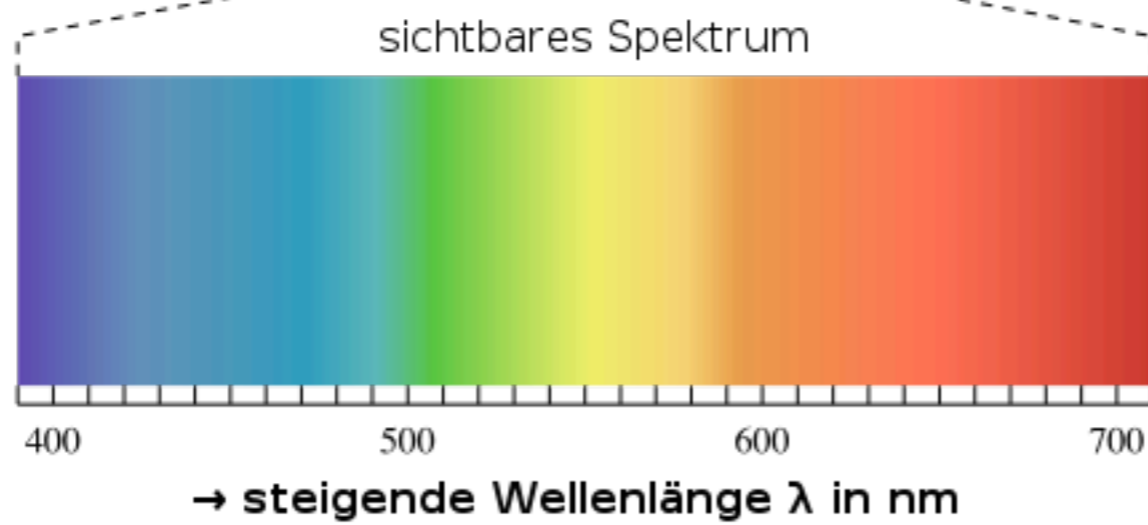
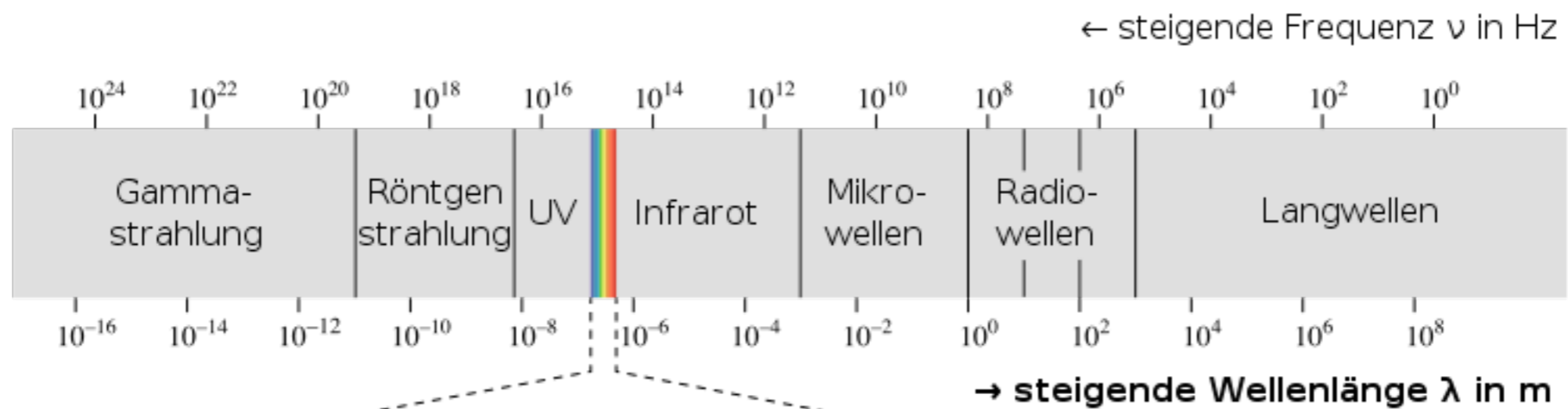


# Spektrum dan Cahaya





PINK FLOYD





# Spektrum



Warna	Frekuensi	Panjang gelombang
<b>nila-ungu</b>	668–789 THz	380–450 nm
<b>biru</b>	606–668 THz	450–495 nm
<b>hijau</b>	526–606 THz	495–570 nm
<b>kuning</b>	508–526 THz	570–590 nm
<b>jingga</b>	484–508 THz	590–620 nm
<b>merah</b>	400–484 THz	620–750 nm

Manusia Normal  
400 nm - 700 nm

380 nm - 780 nm

# Gelombang Mikro

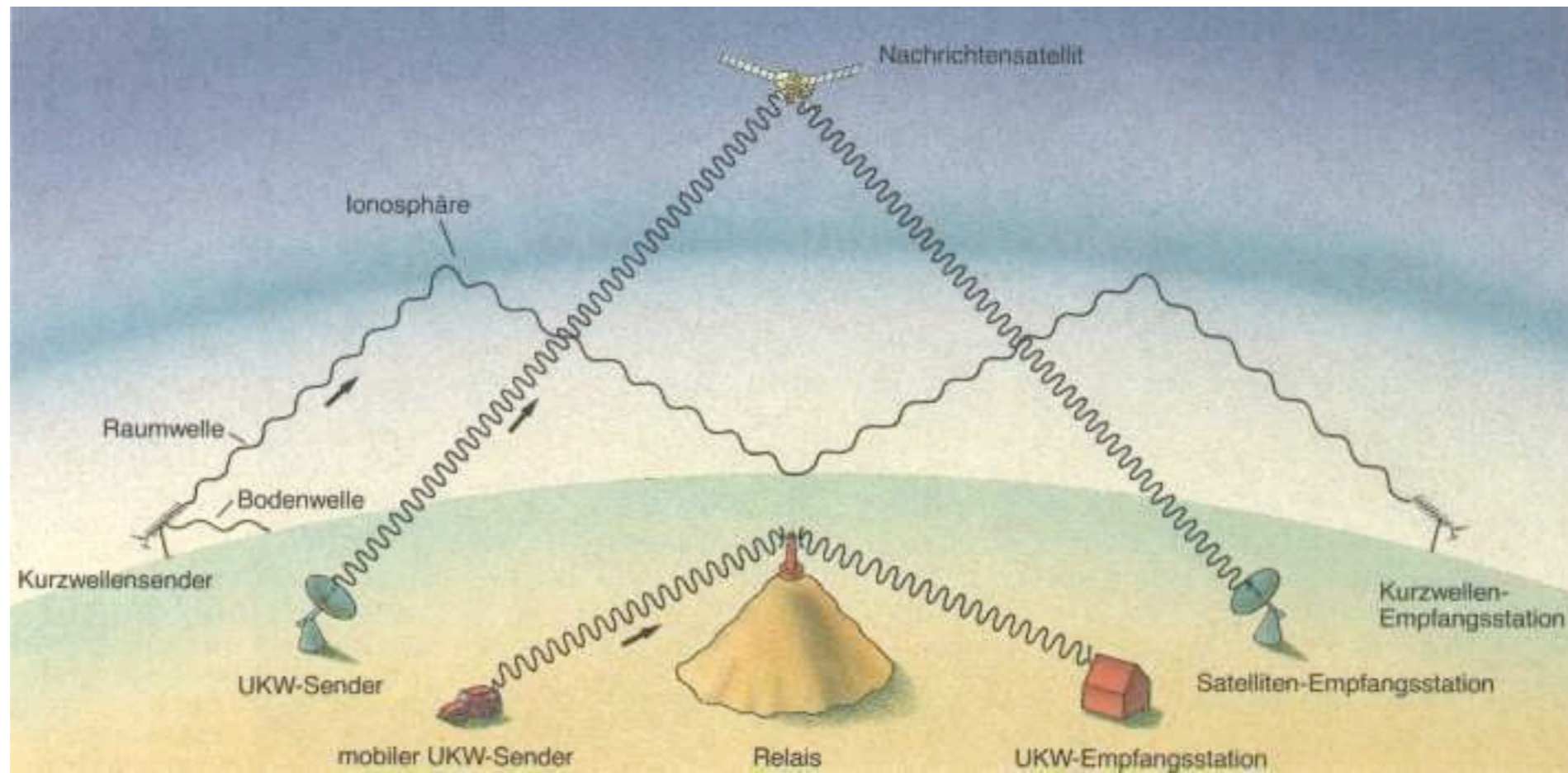




# Gelombang Radio



# Langwellen/ long wave/ gelombang jarak jauh



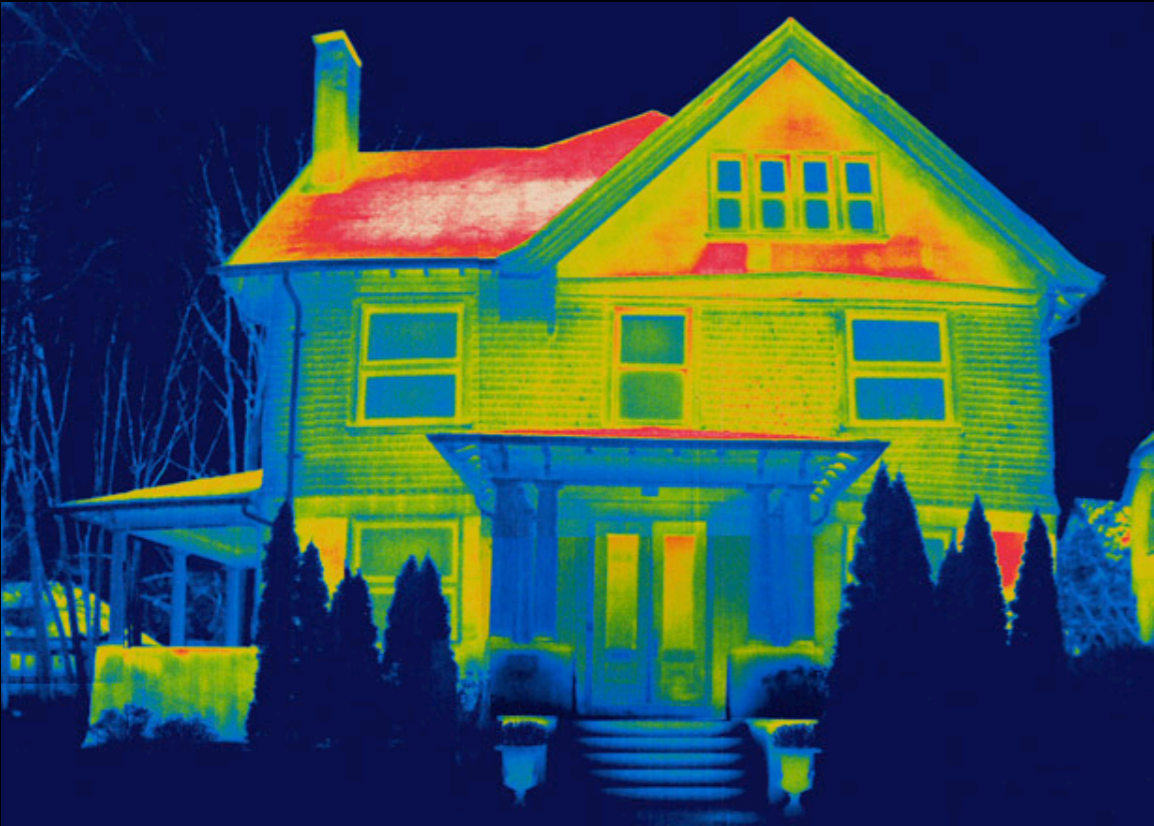


# Ultra Violet (UV)



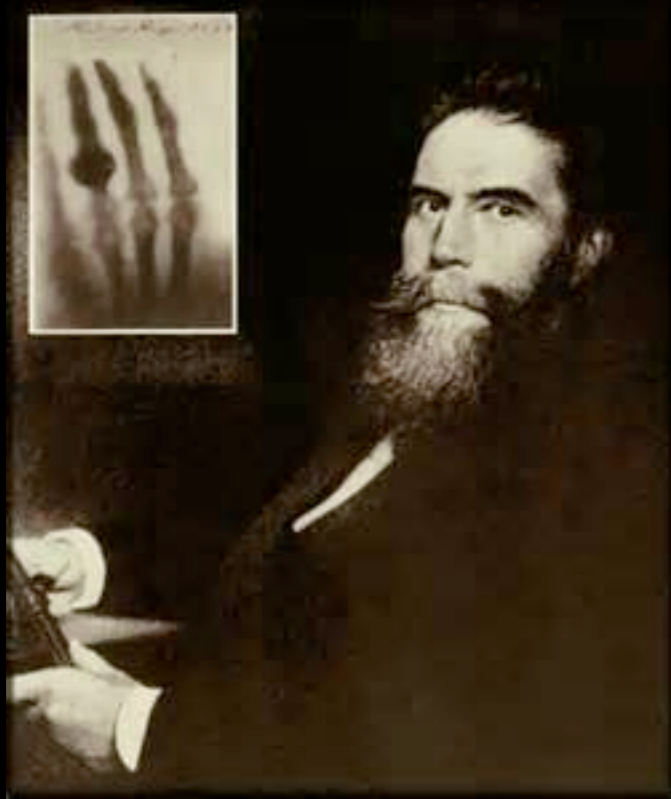


# Infrared





# Roentgen/ X-Ray

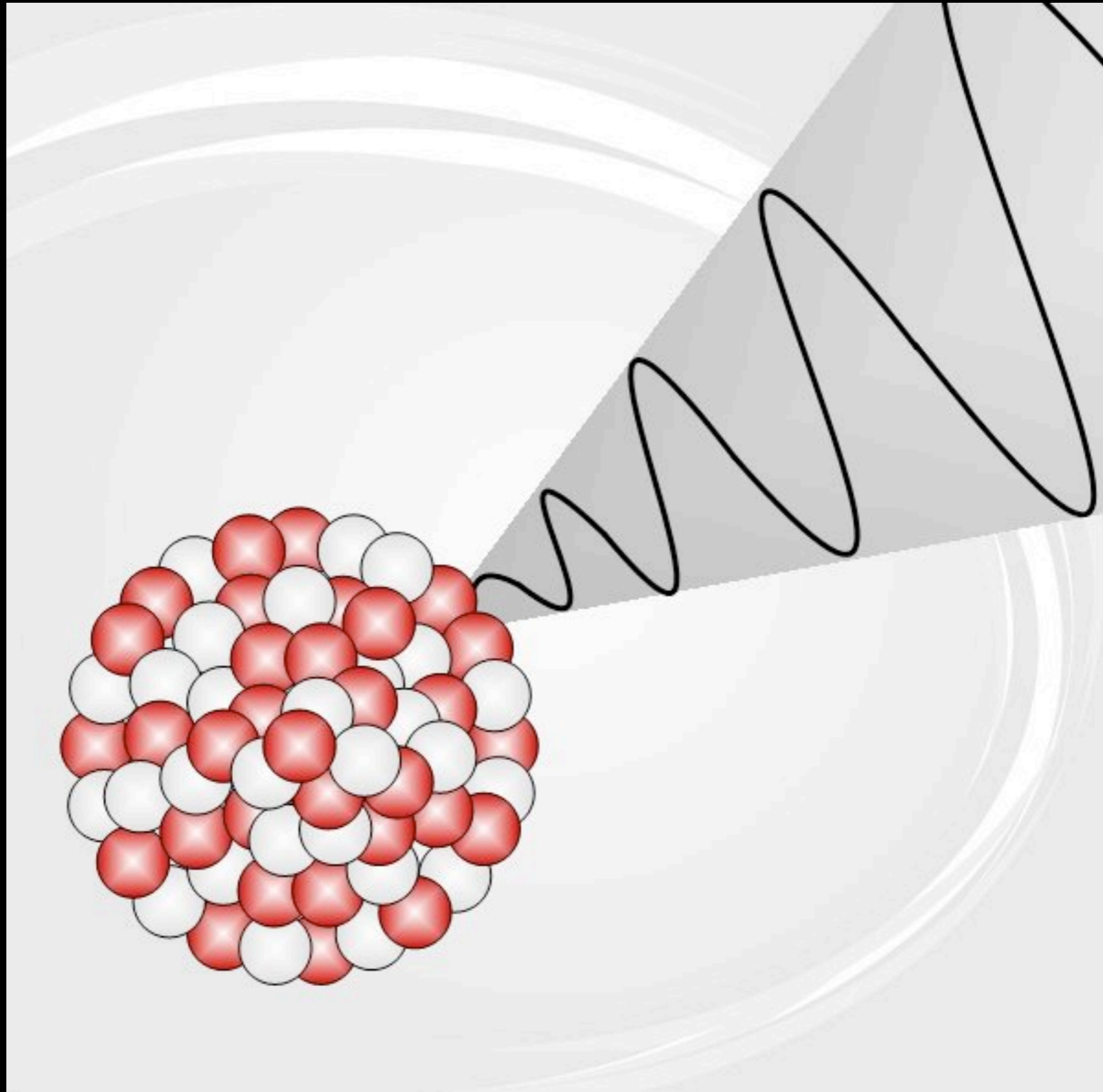


Wilhelm Conrad *Röntgen*  
1920





# Sinar Gamma





**RGB**

Visual cahaya



**CMYK**

Proses Cetak

# Jenis, Sifat Cahaya, dan Bayangan



# Cahaya Langsung





# Cahaya tidak Langsung







Cahaya Langsung





Cahaya Langsung

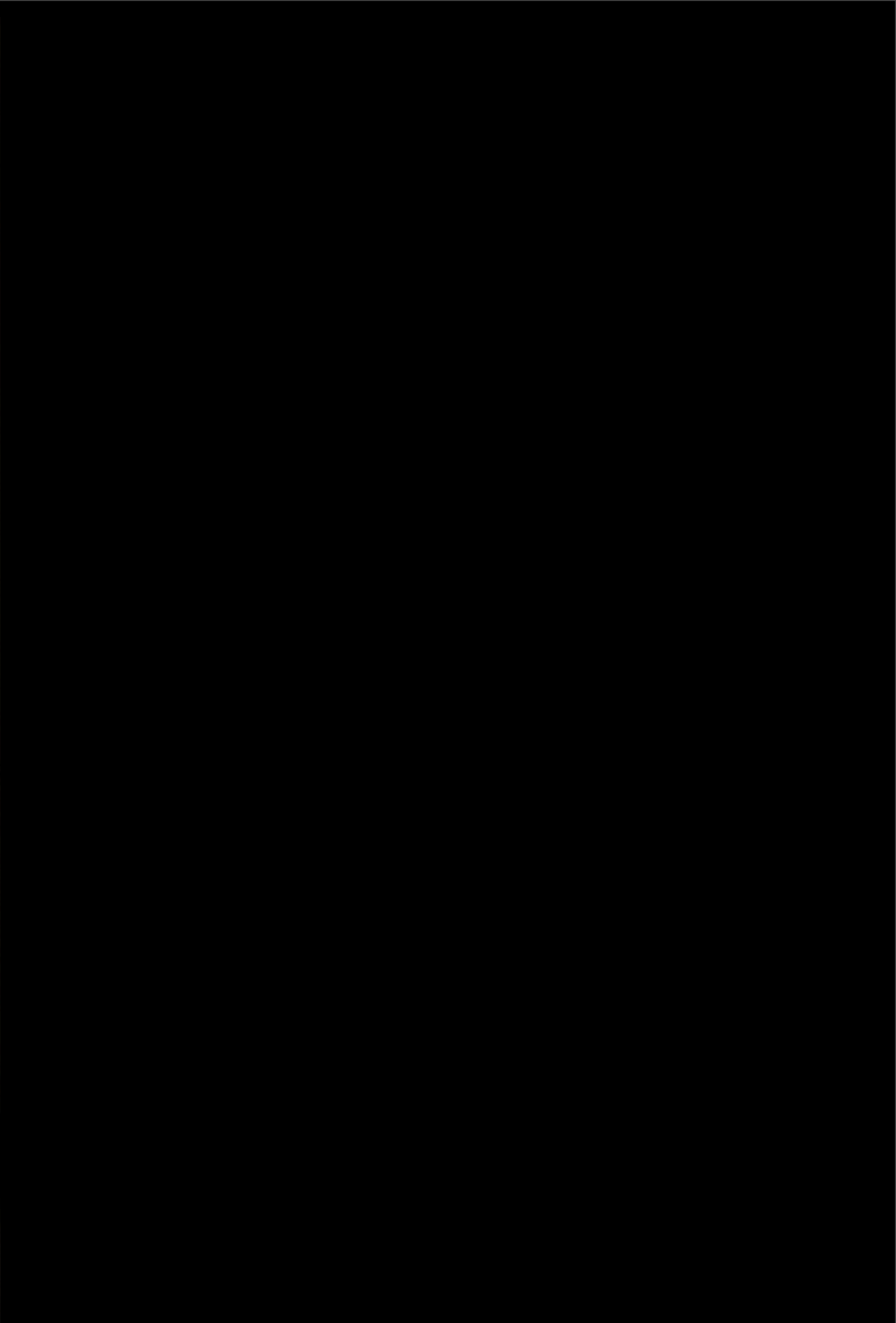


Cahaya Tidak Langsung

# Cahaya dan Fenomena Bayangan













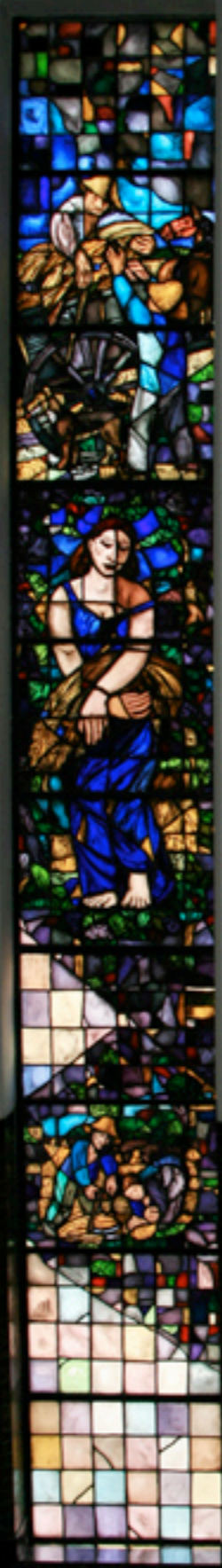




















Terimakasih