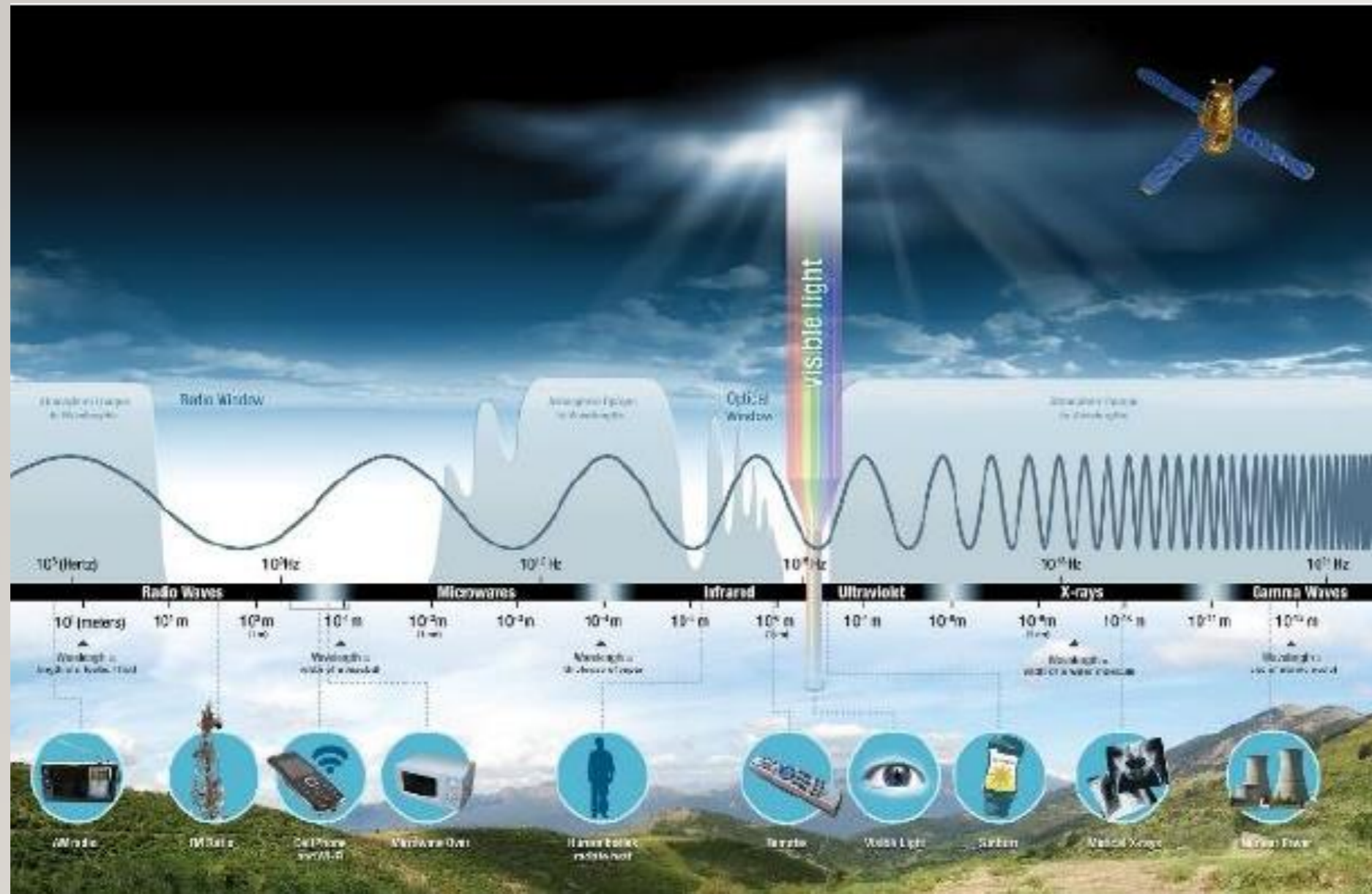


SISTEM KOMUNIKASI OPTIK

- **MATERI 14**
- **VISUAL LIGHT COMMUNICATION**
- D3 Teknologi Telekomunikasi – Fakultas Ilmu Terapan



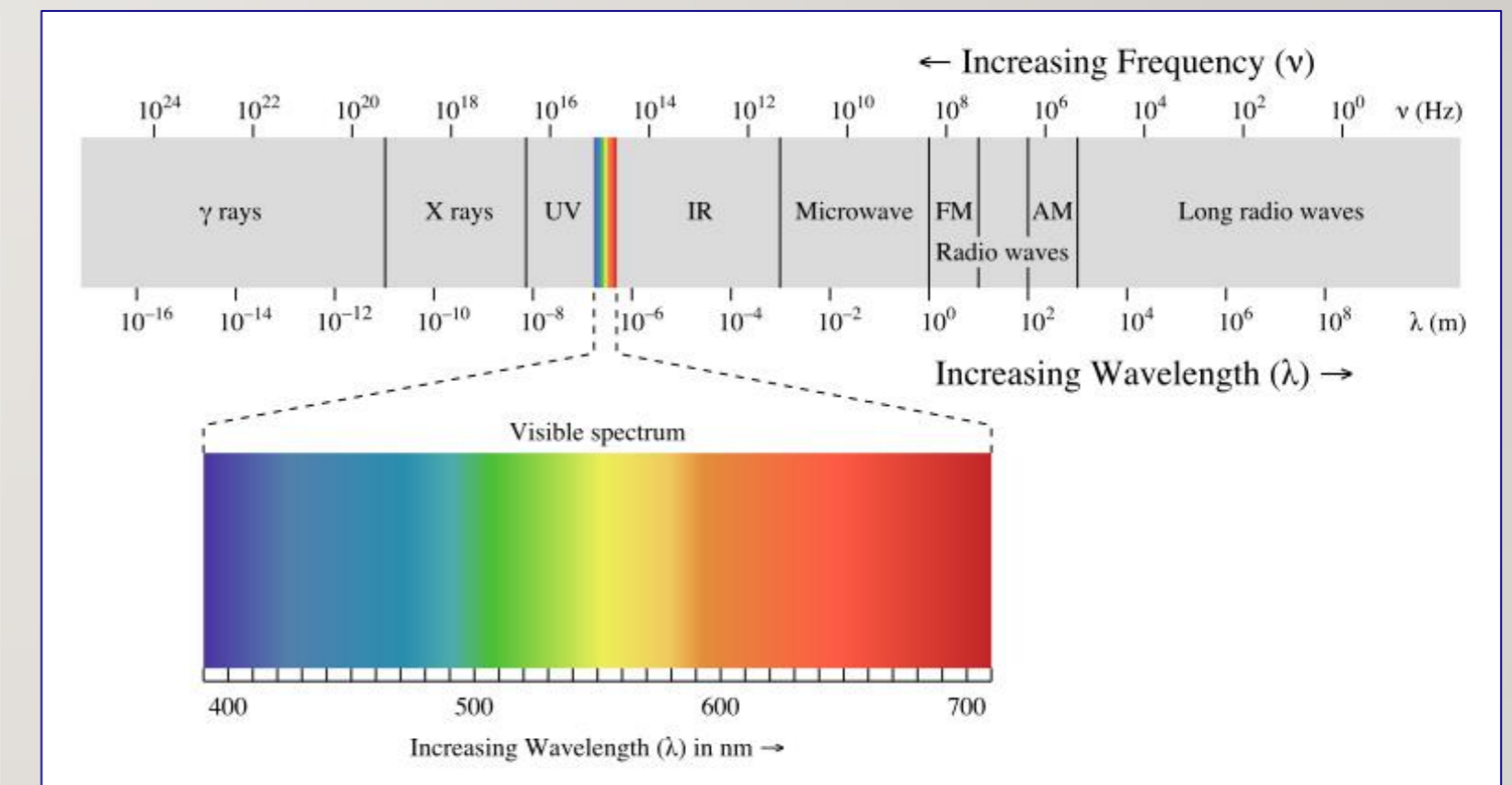
PENDAHULUAN



Spektrum Cahaya Tampak

□ Bandwidth Visible Light $\approx 320 THz$

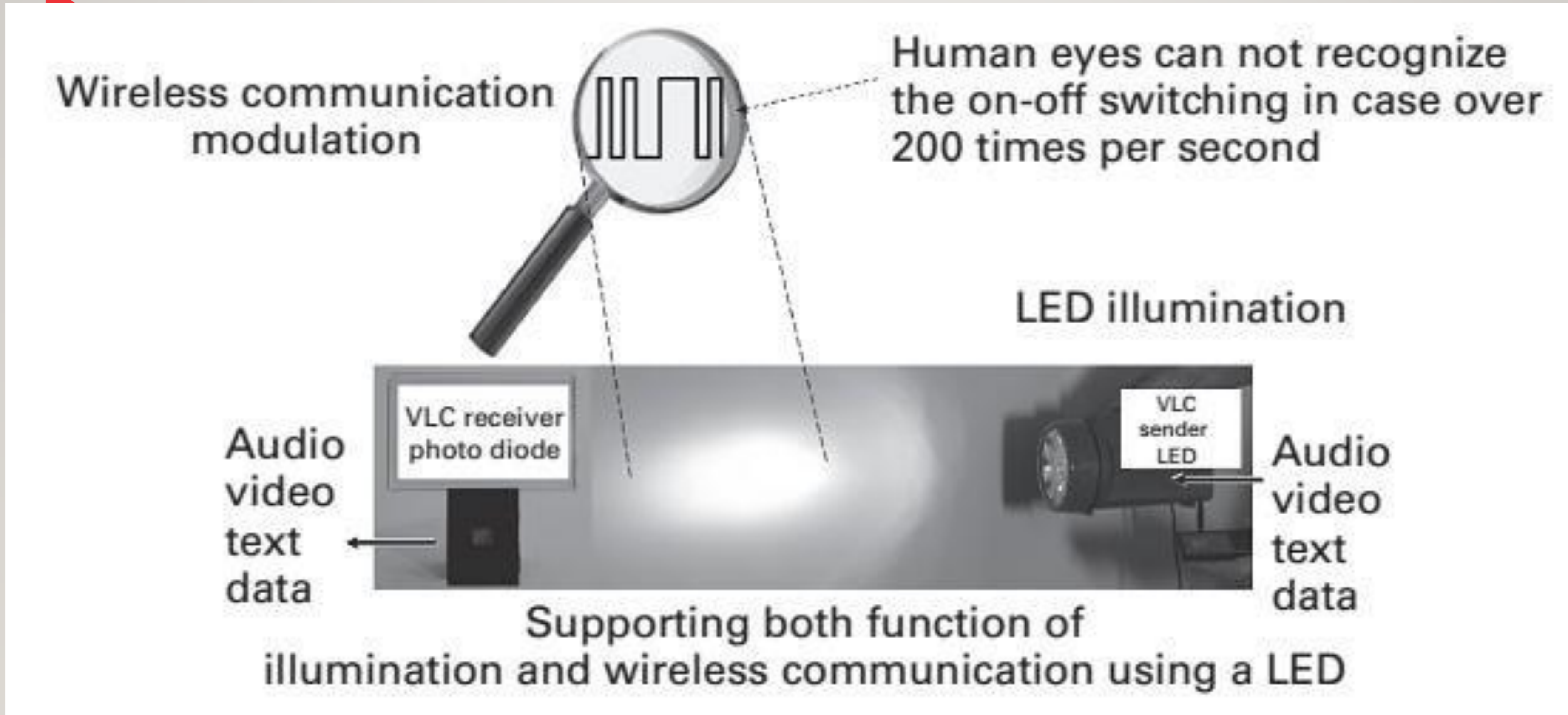
Color	Wavelength
violet	380–450 nm
blue	450–495 nm
green	495–570 nm
yellow	570–590 nm
orange	590–620 nm
red	620–750 nm



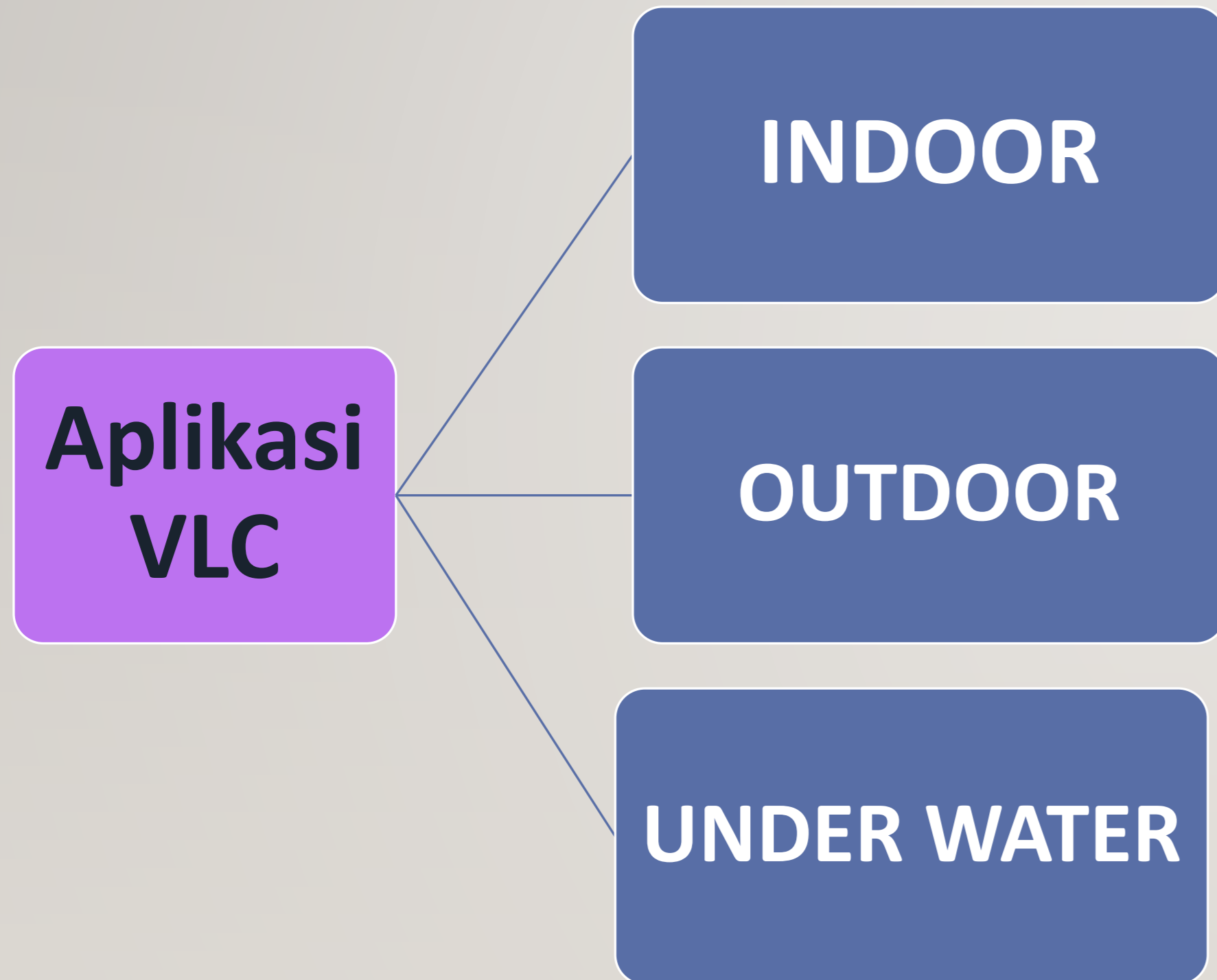
KELEBIHAN VLC



PRINSIP KERJA VLC



APLIKASI VLC



	Aplikasi	Fungsi
Mobile to Mobile	 Handheld device, Portable device	<ul style="list-style-type: none"> ■ Contents-sharing ■ Data transfer
Mobile to Fixed	 CE, Kiosk, Printer	<ul style="list-style-type: none"> ■ File transfer ■ Video streaming ■ M-commerce
Infrastructure to Mobile	 CE, Signboard, Traffic Signal, Illuminator	<ul style="list-style-type: none"> ■ Indoor Navigation ■ Information-broadcast





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