

SISTEM KOMUNIKASI OPTIK

- **BAB 2**
- **MODE DALAM SERAT OPTIK**

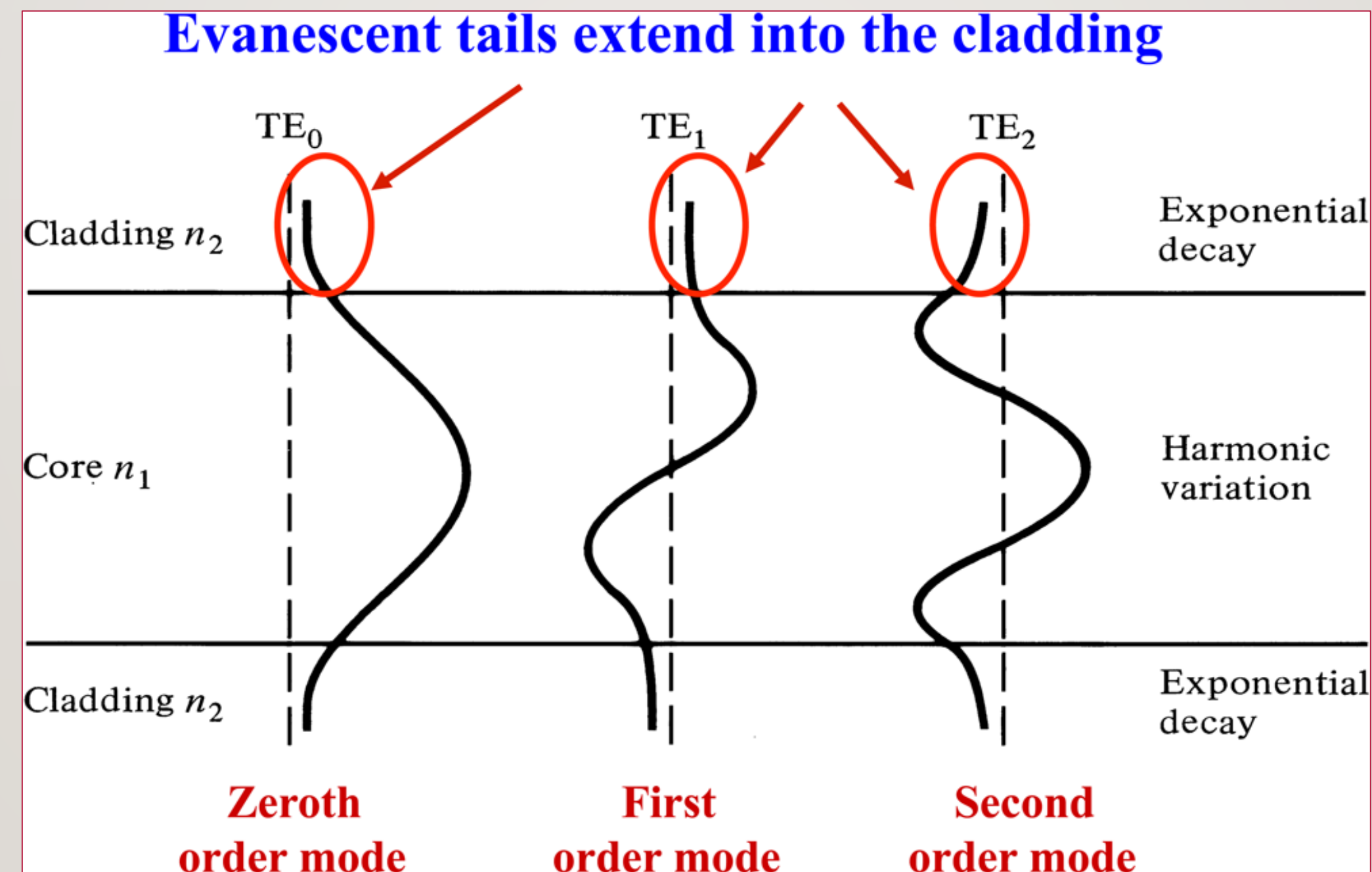


- D3 Teknik Telekomunikasi – Fakultas Ilmu Terapan

DEFINISI MODE

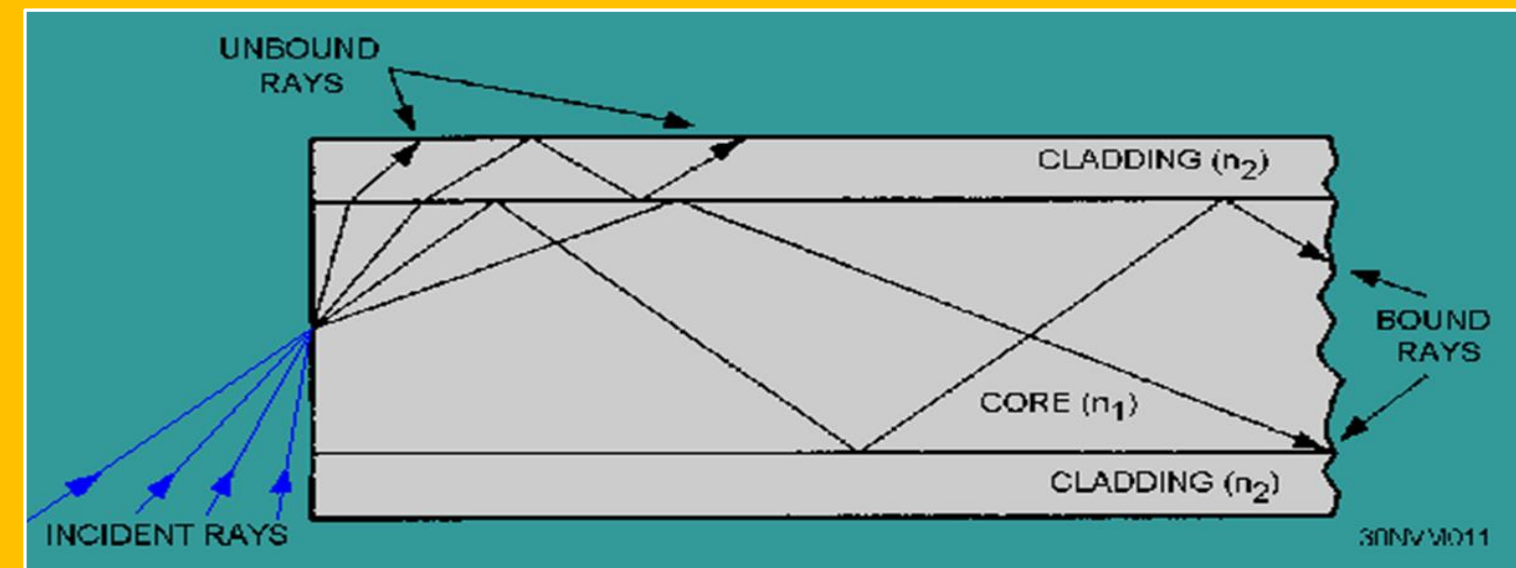
2

❑ Perambatan cahaya dalam serat optik sebagai *mode* pandu gelombang

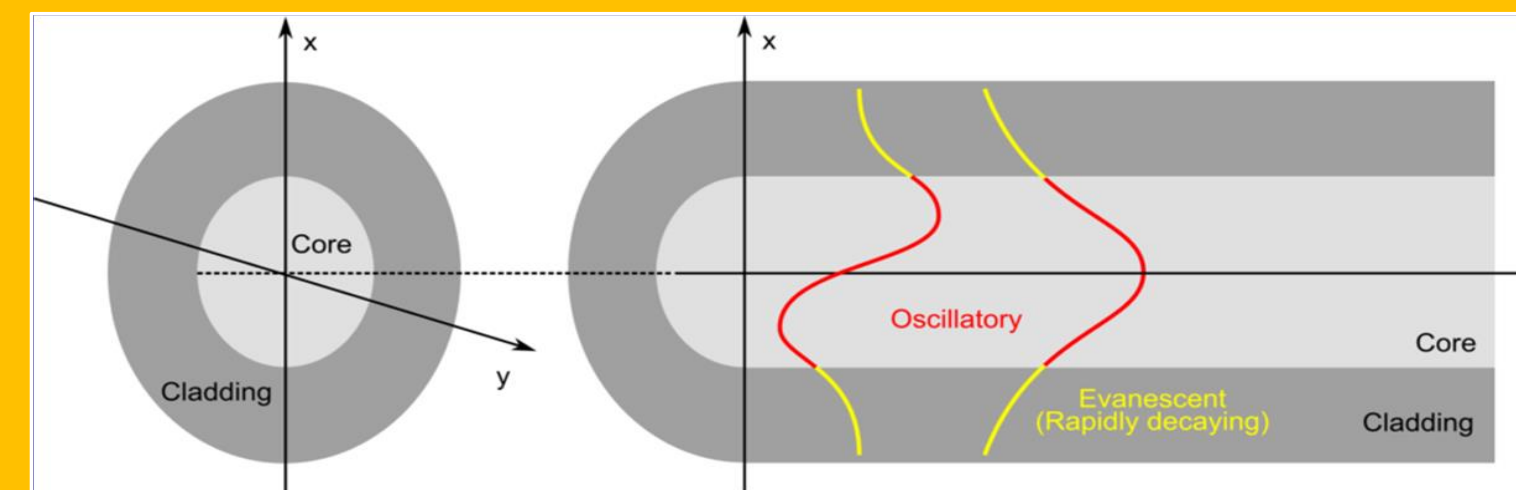


GELOMBANG TERPANDU

RAY OPTIC



MODE GELOMBANG



Sumber Referensi : <https://www.miniphysics.com/optical-fibres.html>

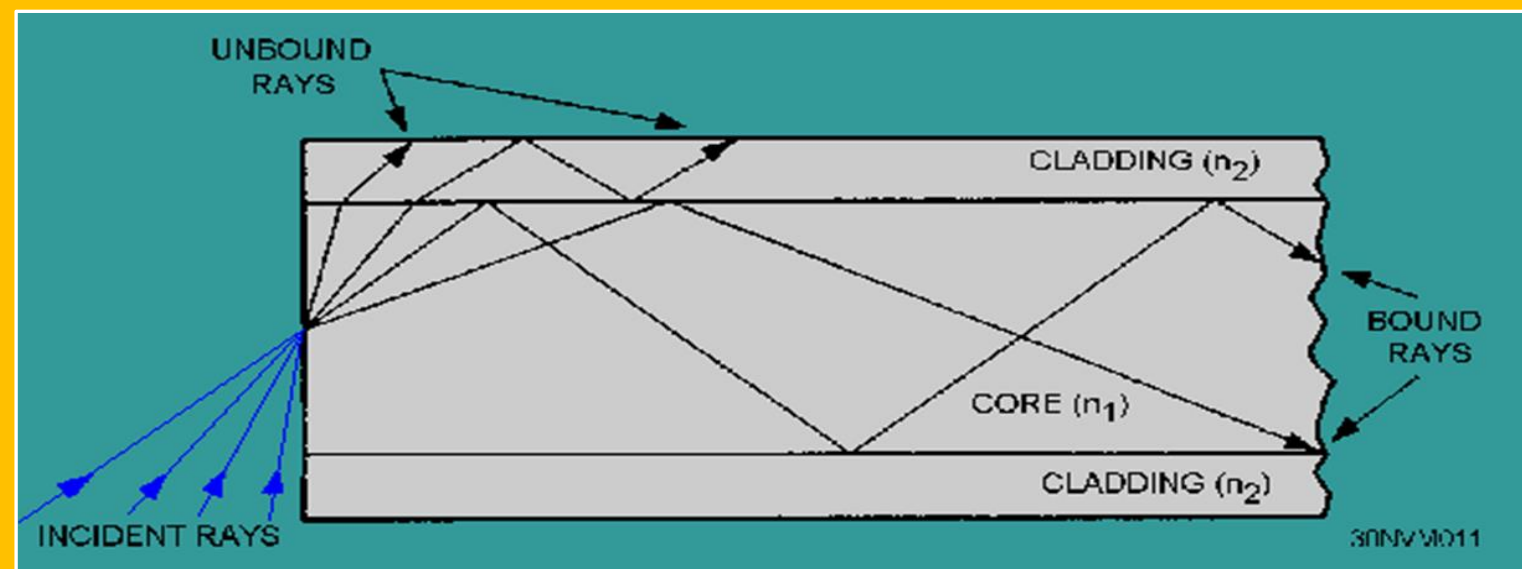
<https://www.fiberlabs.com/glossary/guided-modes-in-optical-fiber/>

https://www.rpi.edu/dept/phys/SciT/InformationTransfer/reflrefr/rr_content/fibers_20.html

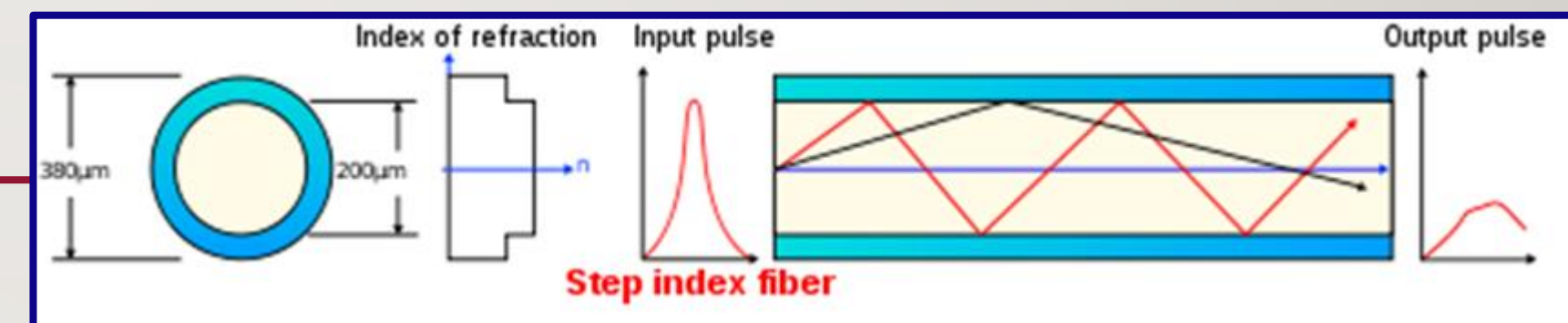
Gerd, Keiser, 2010, *Optical Serat Communications*, 4th edition, McGraw Hill, International Edition

GELOMBANG TERPANDU

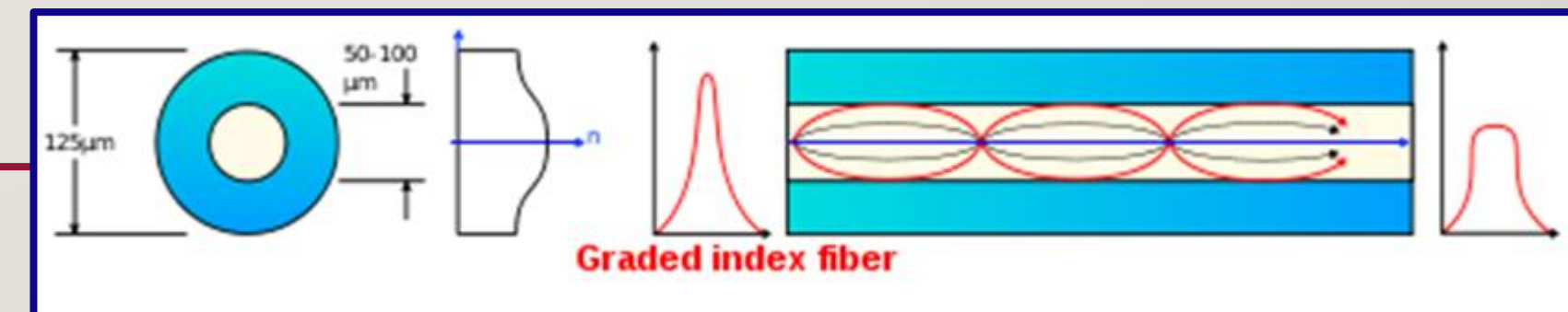
RAY OPTIC



Step index



Graded index



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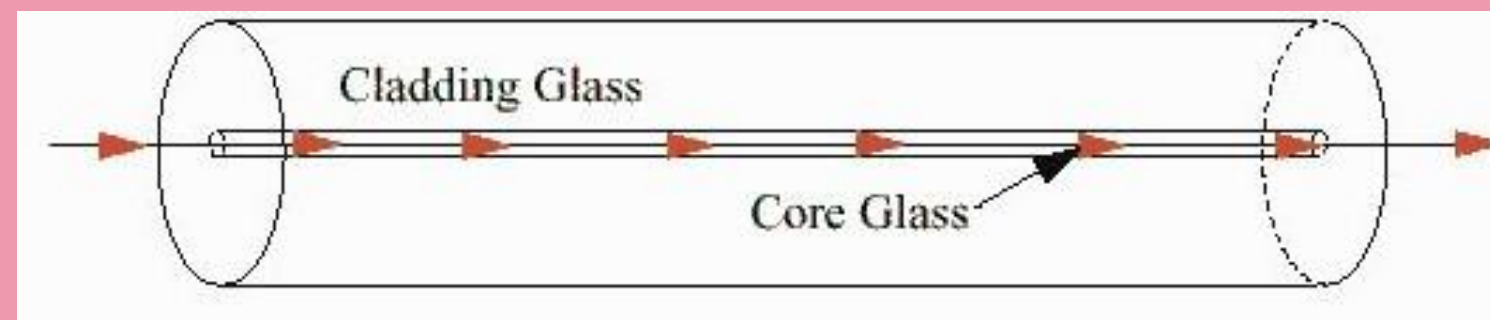
<https://www.fiberlabs.com/glossary/guided-modes-in-optical-fiber/>

https://www.rpi.edu/dept/phys/SciT/InformationTransfer/refrefr/rr_content/fibers_20.html

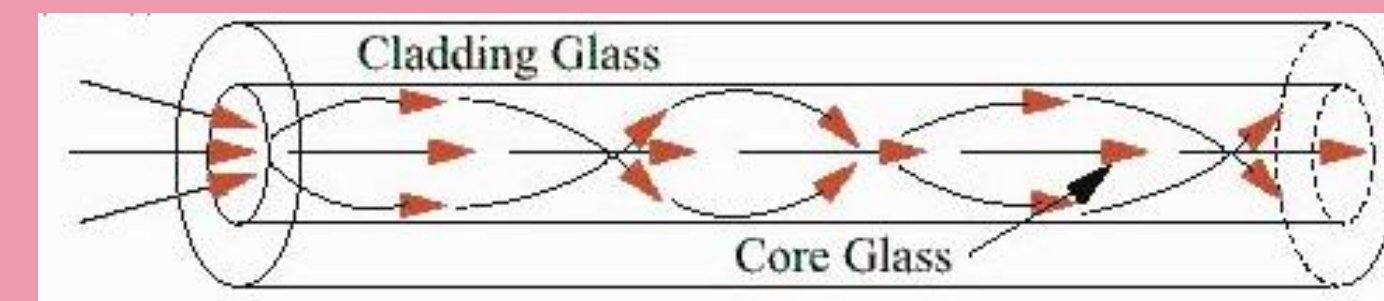
Gerd, Keiser, 2010, *Optical Serat Communications*, 4th edition, McGraw Hill, International Edition

MODE GELOMBANG

Single Mode



Multimode



TERIMA KASIH



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