

Laporan Praktikum Jaringan Komputer
Tahun 2024/2025 Semester Genap(2)

Job 1 : baseband line coding

NIM : 1324144049

Kelas : TI B

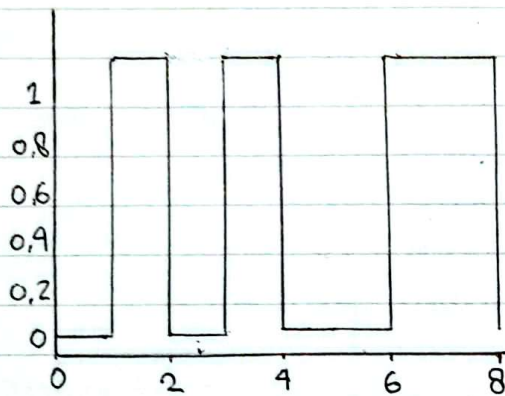
Nama : Muhammad Yusai

Tanggal Tulis : 22 April 2025

1. Pikirkan nama Pendek / Panggilan Anda (minimal terdiri dari 3 huruf Saja. Tuliskan kode ASCII, Kode biner!

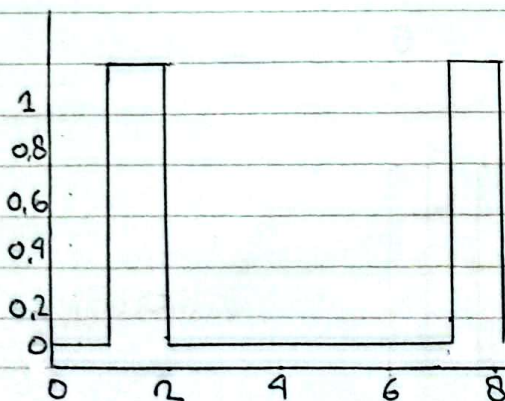
	Huruf	Kode ASCII (decimal)	8bit kode biner
Huruf I	S	083	01010011
Huruf II	A	065	01000001
Huruf III	L	076	01001100

- Diagram baseband (Line coding) Unipolar Non Return to zero (UNRZ) huruf I :



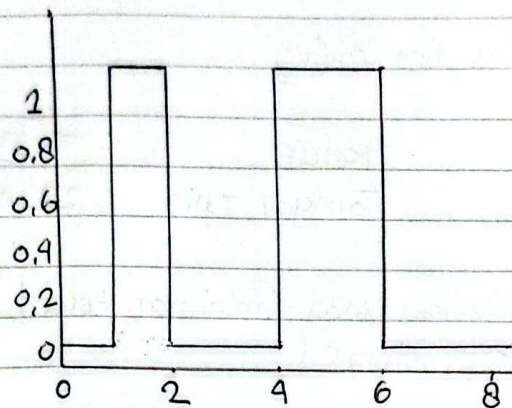
=> unipolar NRZ : [01010011]

- Diagram baseband (Line coding) UNRZ huruf II



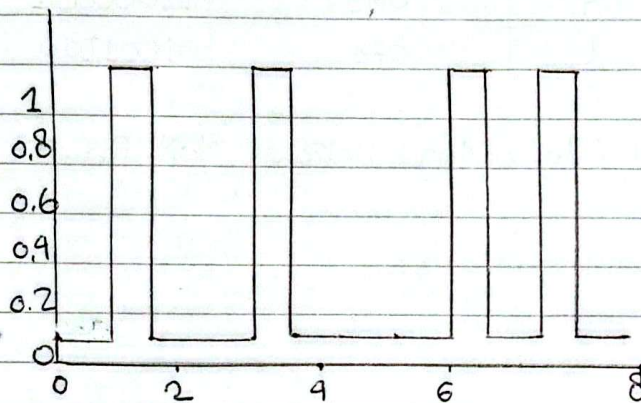
=> unipolar NRZ : [01000001]

- Diagram baseband (Line coding) UNRZ huruf ke III :

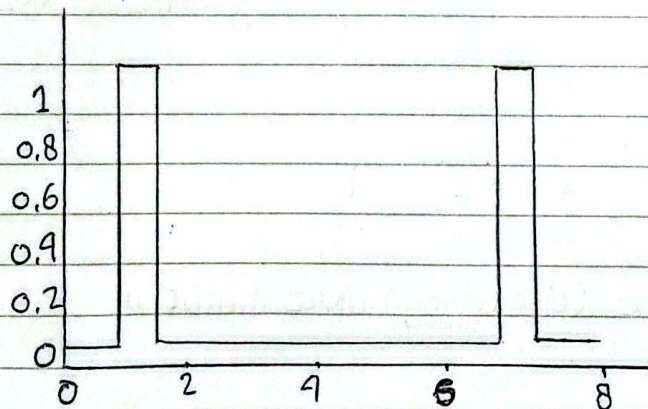


\Rightarrow unipolar NRZ : [01001100]

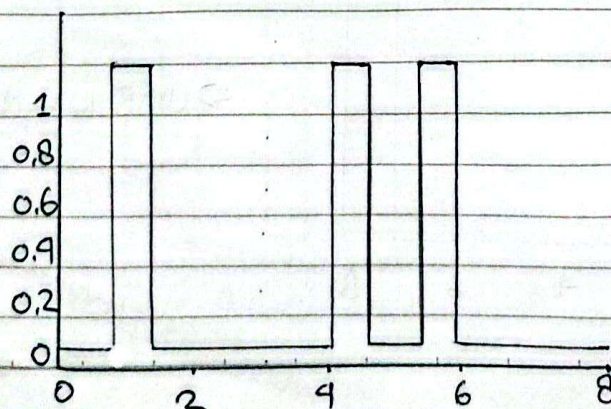
2. Ulangi untuk Pengkodean Jenis unipolar RZ (Return to zero) !



\Rightarrow unipolar RZ : [01010011]



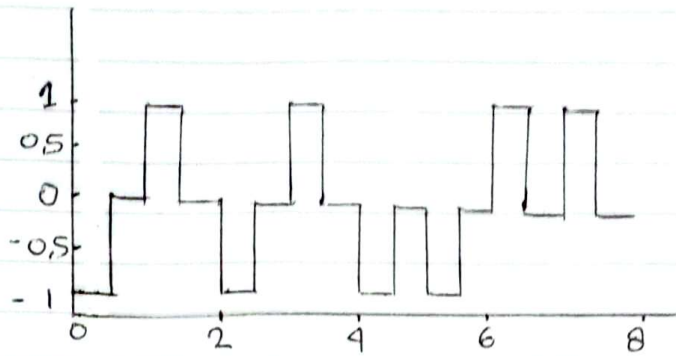
\Rightarrow unipolar RZ = [01006001]



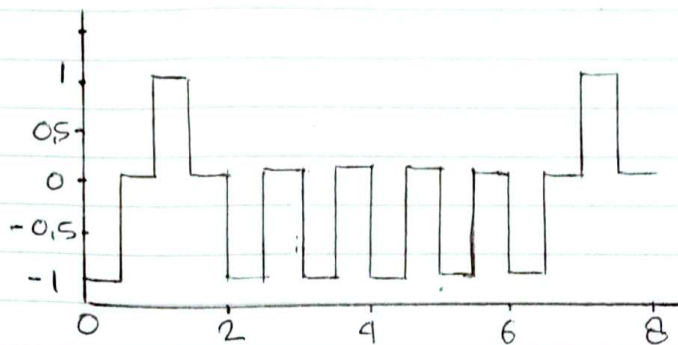
\Rightarrow unipolar RZ = [01001100]

3. Ulangi untuk Pengkodean Jenis Polas RZ (return to zero)

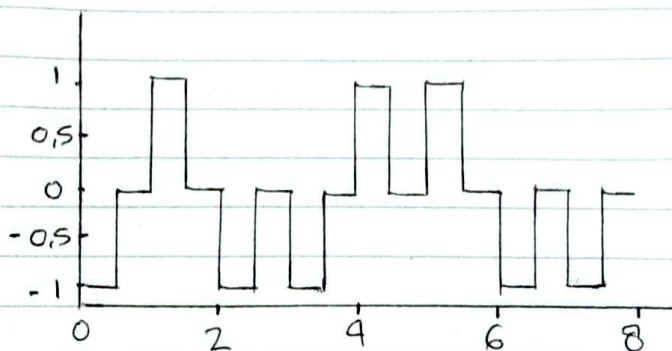
- Diagram Polas RZ [01010011]



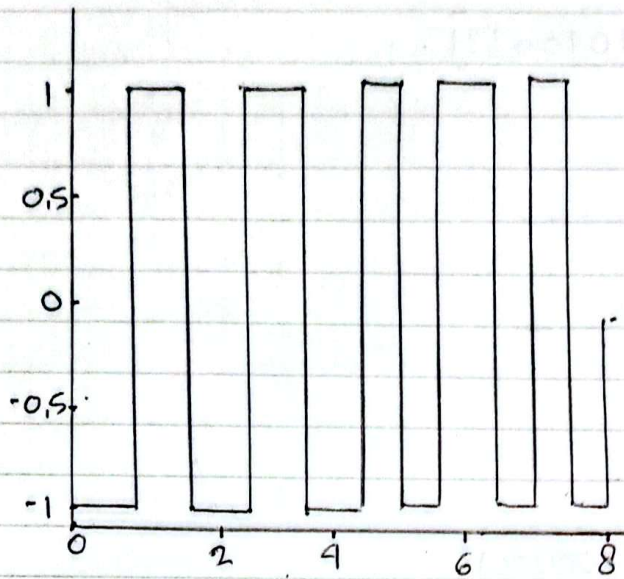
- Diagram Polas RZ [01000001]



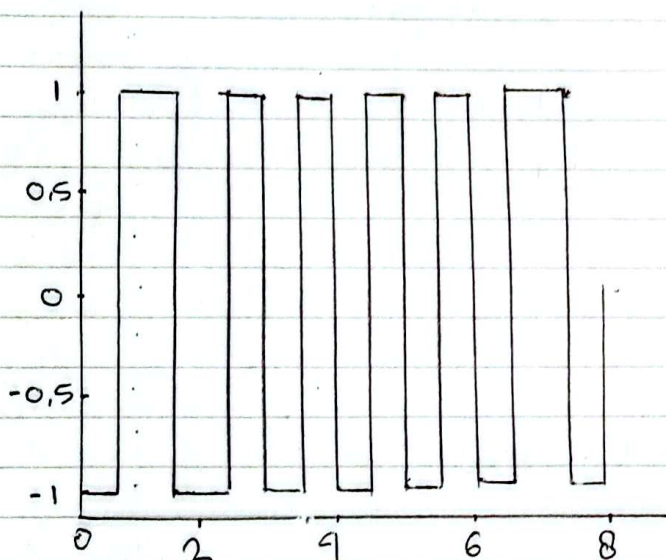
- Diagram Polas RZ [01001100]



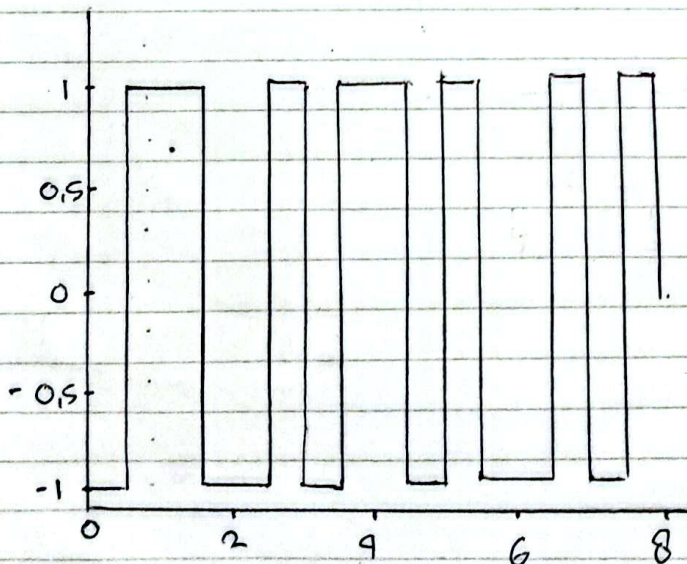
4. Ulangi untuk Pengkodean Jenis Manchester



\Rightarrow Manchester [01010011]



\Rightarrow Manchester [01000001]



\Rightarrow Manchester [01001100]