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| **APROGRAM STUDI TEKNOLOGI REKAYASA KOMPUTER JARINGAN (TRKJ)**  **FAKULTAS TEKNOLOGI INDUSTRI**  **UNIVERSITAS BUNG HATTA**  <https://fti.bunghatta.ac.id> | [https://trkj.fti.bunghatta.ac.id](https://trkj.fti.bunghatta.ac.id/) | | | | | | |
| **Mata Kuliah** | **:** | Multimedia |  | **Nama Mahasiswa** | **:** | Adetra Al Rahmat |
| **Tugas ke** | **:** | 2 |  | **NPM** | **:** | 2110017514011 |
| **Hari/Tanggal** | **:** | 6 Oktober 2022 |  | **No. HP (WA)** | **:** |  |
| **Waktu** | **:** |  |  | **Email** | **:** |  |
| **Dosen Pengampu** | **:** | Budi Sunaryo, S.T., M.T. |  | **Website** | **:** |  |

Tugas Multimedia ke 2

Pertanyaan :

Buatlah table Huffman untuk kompresi String ABACCDA

ABACCDA

|  |  |  |  |
| --- | --- | --- | --- |
| Simbol | Frekuensi | Peluang | Kode Huffman |
| A | 3 | 3/7 | 0 |
| B | 1 | 1/7 | 110 |
| C | 2 | 2/7 | 10 |
| D | 1 | 1/7 | 111 |

Model Pohon Huffman

0 1

0 1

String ABACCDA adalah 0110010101110

Jadi total bit yang di pakai yaitu 13 bit

0 1