**Node Initiation**

Plotting WSN

LEACH

**Cluster Heads Election**

Creates array A containing the energy level each

Choose n node with highest energy as CH

Assigns the node ID of the newly elected cluster head to an array

Assigns the node role of a cluster head

**Grouping the Nodes into Clusters**

Finds the minimum distance of node to CH

Assigns node to the cluster

**Chain Establishment**

PEGASIS

Creation of d Array with shortest distances

Creates array containing distance between nodes

Each node choosing their closest node

Choosing furthest node from sink 🡪 connect nodes into the chain

**Leader Node Election**

Calculates Distance Between Each Node and the Sink

Creates array A containing the distance

Assigns closest node to sink as the Leader Node

**Data Transmission**

LEACH Transmission

CH Receive

Member Transmit

Pegasis Transmission

Node Receive

Node Transmit

LN Transmit to Sink

Number of Round and Operating Nodes Calculation

Graph

Concern

1. Kenapa saat ada node dari member ke CH atau sebaliknya, graph 10 jadi berantakan?
2. Looping

* Round berkurang = energy berkurang
* Jika ada node yang energynya <0 🡪 node mati
* Jika semua node di jaringan mati 🡪 tidak ada node yang aktif 🡪 round selesai

1. Generate graph ketika round selesai
2. Plot connection di LEACH, biar ketauan dia connect ke siapa
3. Buat 3 program dalam 1 file