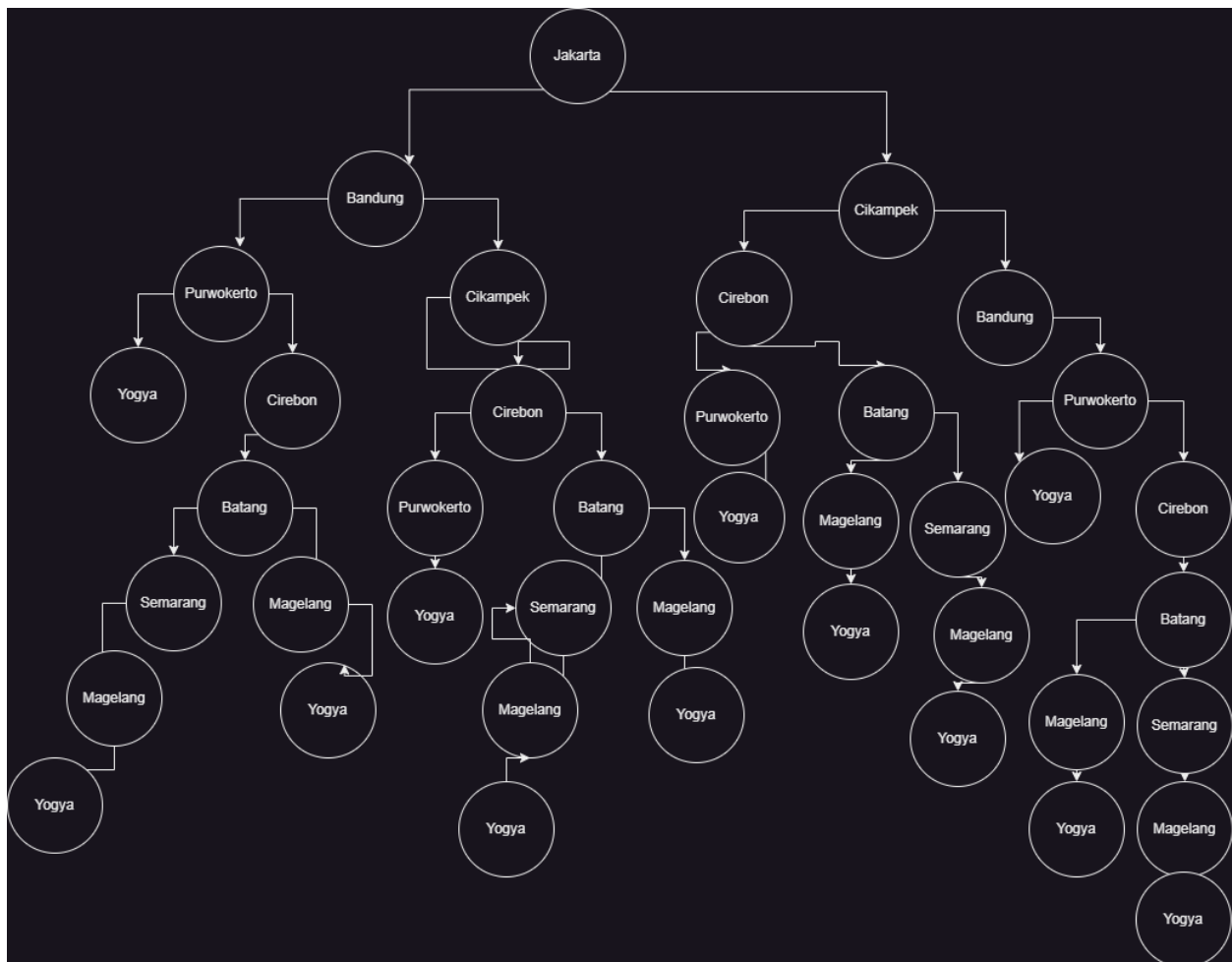
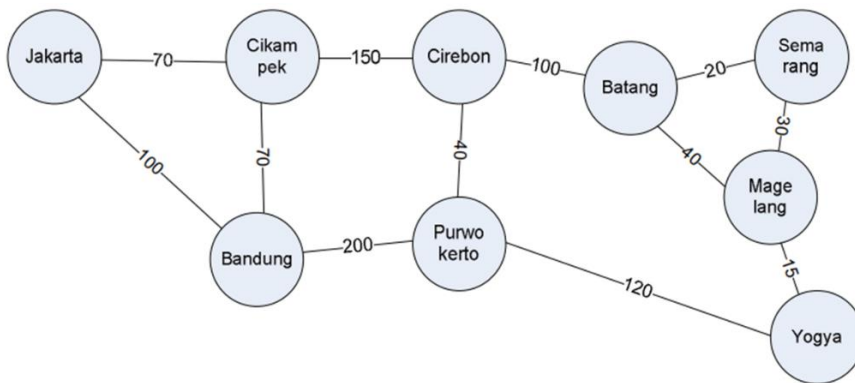


NIM: 1103201049

**DFS**

Jakarta→Bandung→Purwokerto→Yogya

Jakarta→Bandung→Purwokerto→Cirebon→Batang→Semarang→Magelang→Yogya

Jakarta→Bandung→Purwokerto→Cirebon→Batang→Magelang→Yogya

Jakarta→Bandung→Cikampek→Cirebon→Purwokerto→Yogya

Jakarta→Bandung→Cikampek→Cirebon→Batang→Magelang→Yogya

Jakarta→Bandung→Cikampek→Cirebon→Batang→Semarang→Magelang→Yogya

Jakarta→Cikampek→Cirebon→Purwokerto→Yogya

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Jakarta→Cikampek→Cirebon→Batang→Semarang→Magelang→Yogya

Jakarta→Cikampek→Bandung→Purwokerto→Yogya

Jakarta→Cikampek→Bandung→Purwokerto→Cirebon→Batang→Magelang→Yogya

Jakarta→Cikampek→Bandung→Purwokerto→Cirebon→Batang→Semarang→Magelang→Yogya

BFS

Level 1 = Jakarta

Level 2 = Bandung→Cikampek

Level 3 = Purwokerto→Cikampek→Cirebon→Bandung

Level 4 = Yogya

Shortest Path

Jakarta→Bandung→Purwokerto→Yogya (DFS)

UCS

Jakarta → Bandung = 100, Bandung→Purwokerto = 200, Purwokerto→Yogya = 120

Total =420

**Most efficient path= Jakarta→Cikampek→Cirebon→Batang→Magelang→Yogya
= 375**