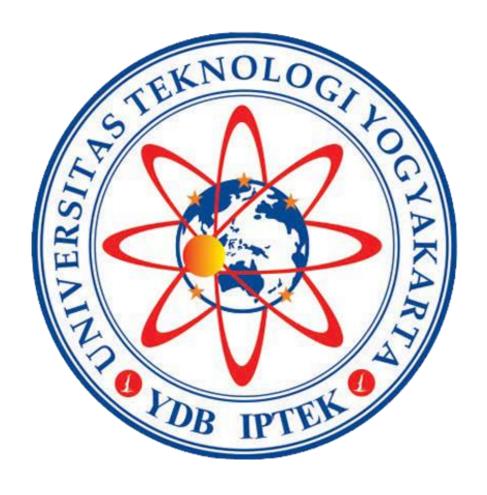
RESPONSI



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SISTEM OPERASI PRAKTIK
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1. Manajemen RAM

Source code

```
# Raka Rahmat Hidayat 5200411529
print("-" * 50)
print("\t\tRESPONSI SO PRAKTIK")
print("-" * 50)
ram = int(input("Kapasitas RAM: "))
blok = int(input("Blok/unit: "))
so = int(input("Sistem Operasi: "))
dipakai = int(input("yang dipakai: "))
mbps = ram * 1024
petabit = ram / blok
terpakai = ram + (so - dipakai)
sisa = ram - (so + dipakai)
blokterpakai = petabit / mbps
print("Petabit",petabit)
print("Terpakai",terpakai)
print("Tersisa",sisa)
print("total blok", blok)
print("Blok terpakai", blokterpakai )
print("Jumlah blok bernilai 1 = ", blok)
print("Jumlah blok bernilai 0 = ", blok - blokterpakai)
```

hasil run program

2. Round Robin

Source code

```
# Raka Rahmat Hidayat 5200411529
def findWaitingTime(processes, n, bt,
                         wt, quantum):
    rem_bt = [0] * n
    for i in range(n):
        rem_bt[i] = bt[i]
    t = 0
    while(1):
        done = True
        for i in range(n):
            if (rem_bt[i] > 0) :
                done = False
                if (rem_bt[i] > quantum) :
                    t += quantum
                    rem_bt[i] -= quantum
                else:
                    t = t + rem_bt[i]
                    wt[i] = t - bt[i]
```

```
rem_bt[i] = 0
        if (done == True):
            break
def findTurnAroundTime(processes, n, bt, wt, tat):
    for i in range(n):
        tat[i] = bt[i] + wt[i]
def findavgTime(processes, n, bt, quantum):
   wt = [0] * n
    tat = [0] * n
    findWaitingTime(processes, n, bt,
                         wt, quantum)
    findTurnAroundTime(processes, n, bt,
                                wt, tat)
    print("Proses
                    Waktu Pengerjaan Waktu ",
                     "Proses Turn Around Time")
    total_wt = 0
    total_tat = 0
    for i in range(n):
        total_wt = total_wt + wt[i]
        total_tat = total_tat + tat[i]
        print(" ", i + 1, "\t\t", bt[i],
              "\t\t", wt[i], "\t\t", tat[i])
    print("\nRata rata waktu proses = %.5f "%(total_wt /n) )
    print("Rata rata turn around time = %.5f "% (total_tat / n))
if __name__ =="__main__":
    proc = [1, 2, 3]
    n = 3
    burst_time = [10, 5, 8]
    quantum = 2;
    findavgTime(proc, n, burst_time, quantum)
```

Hasil Run Program