Jurnal_PBF_M1_120450081_Dimas Wahyu Saputro

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1 Jurnal - PBF - M1

Dimas Wahyu Saputro - 120450081

```
[4]: # kategori, harga per lembar per hari
     # input tanggal 2020-01-02
     # input durasi 25
     tanggal = input('Tanggal Pinjam: ')
     durasi = int(input('Durasi Pinjam (hari): '))

     kategoris = {
         1: 100,
         2: 200,
         3: 250,
         4: 300,
         5: 500,
     }
```

```
[5]: def dtl (s_tgl):
         return [ int(k) for k in s_tgl.split('-')]

     def is_cm (tgl_p,d,c):
         return tgl_p[2]+ d > c

     def thn_back (tgl_p,d,c):
         return tgl_p[0]+1 if ( is_cm(tgl_p,d,c) and tgl_p[1] == 12) else tgl_p[0]

     def bln_back (tgl_p,d,c):
         return ( tgl_p[1] % 12 )+1 if is_cm(tgl_p,d,c) else (tgl_p[1])

     def tgl_back (tgl_p,d,c):
         return tgl_p[2] + d - c if is_cm(tgl_p,d,c) else tgl_p[2] + d

     def is_awal_abad(thn):
         return thn % 100 == 0

     def kabisat (thn):
```

```python
    return(is_awal_abad(thn) and thn % 400 == 0) or (not is_awal_abad(thn) and
 ↪thn % 4 == 0)

def dec_c(t):
    return 30 +( t[1]%2 if t[1]<= 8 else abs((t[1]%2)-1)) if t[1] !=  2 else(29
 ↪if kabisat(t[0]) else 28)

def wkt_kembali (tgl_p,d):
    return [thn_back(tgl_p,d, dec_c(tgl_p)),bln_back(tgl_p,d,
 ↪dec_c(tgl_p)),tgl_back(tgl_p,d, dec_c(tgl_p))]
```

[6]:
```python
tgl_p = dtl(tanggal)
wkt_kembali(tgl_p,durasi)
```

[6]: [2020, 1, 27]

[7]:
```python
sewaan_all = [ [1,5], [2,3], [3,0], [4,1], [5,2] ]

def calc_biaya_per_kategori(kategoris, sewaan):
    return sewaan[1] * kategoris.get(sewaan[0])

def calc_all_biaya(kategoris, sewaan_all, durasi):
    return sum([calc_biaya_per_kategori(kategoris, sewaan) for sewaan in
 ↪sewaan_all]) * durasi
```

[9]:
```python
calc_all_biaya(kategoris, sewaan_all, durasi)
```

[9]: 60000