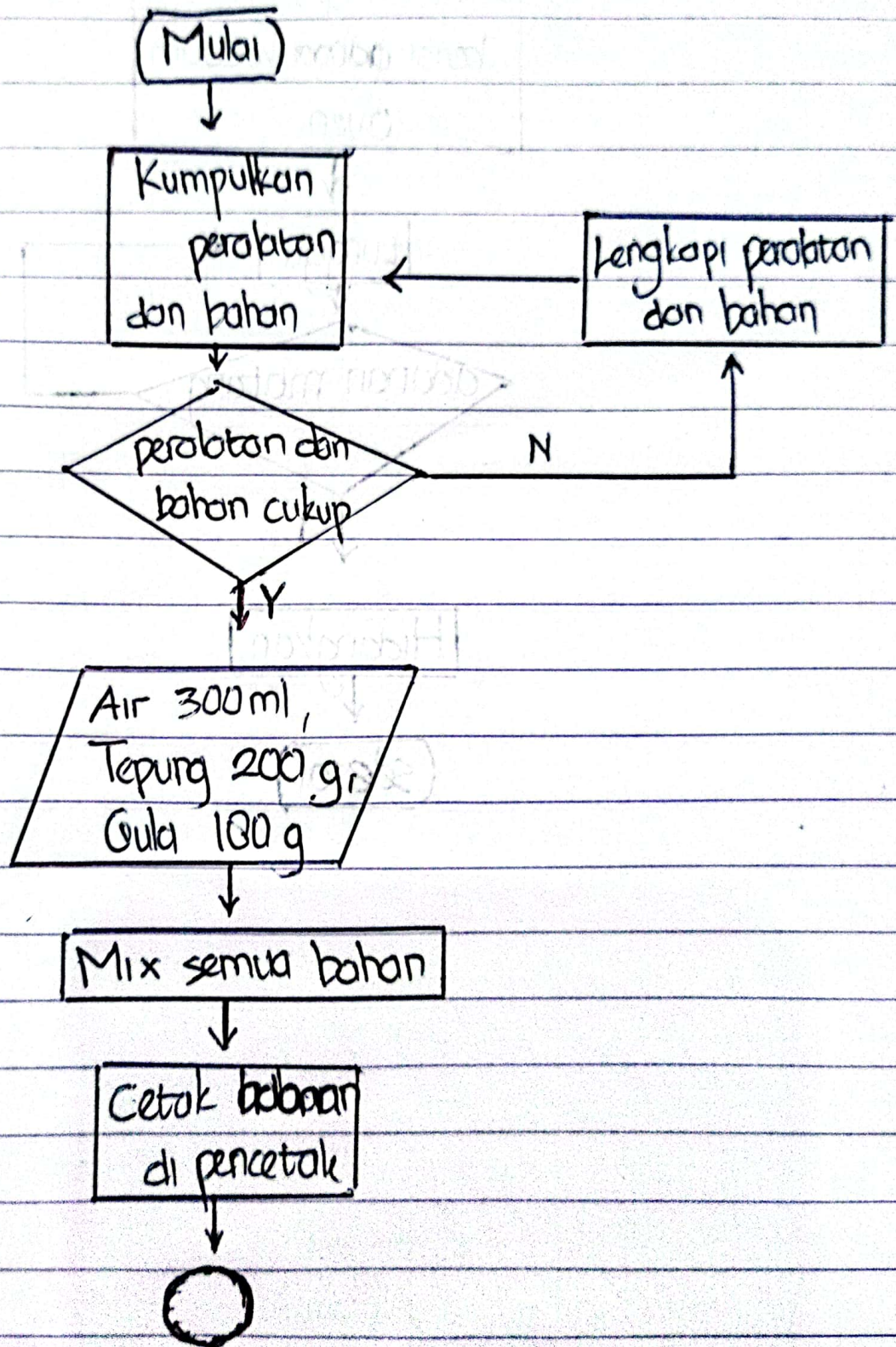
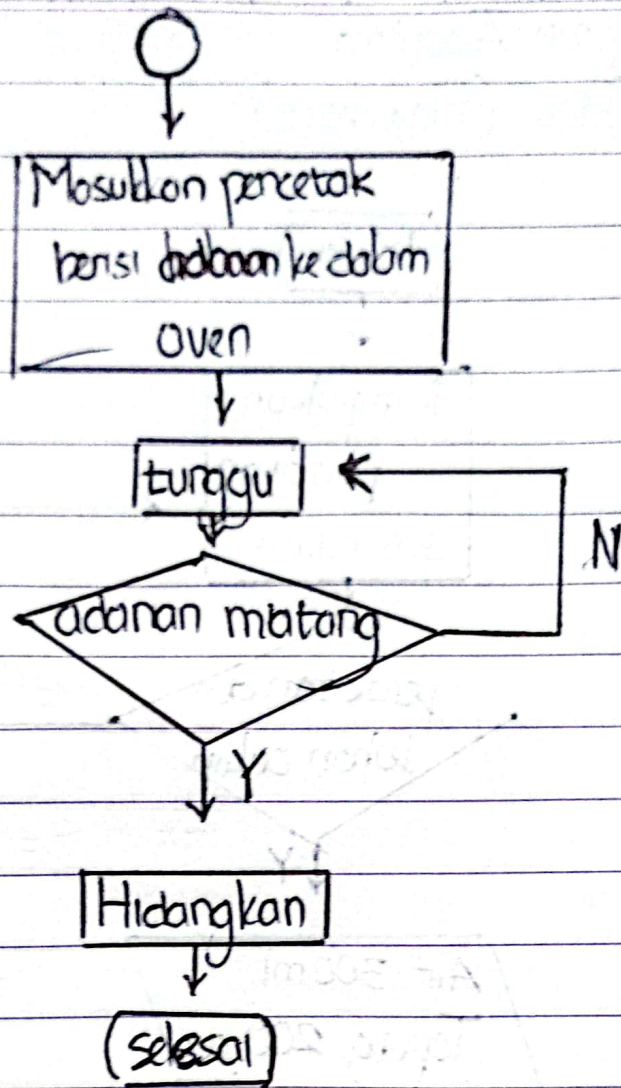


## 1.7.1 Menyusun Algoritma Memasak Roti (Flowchart)

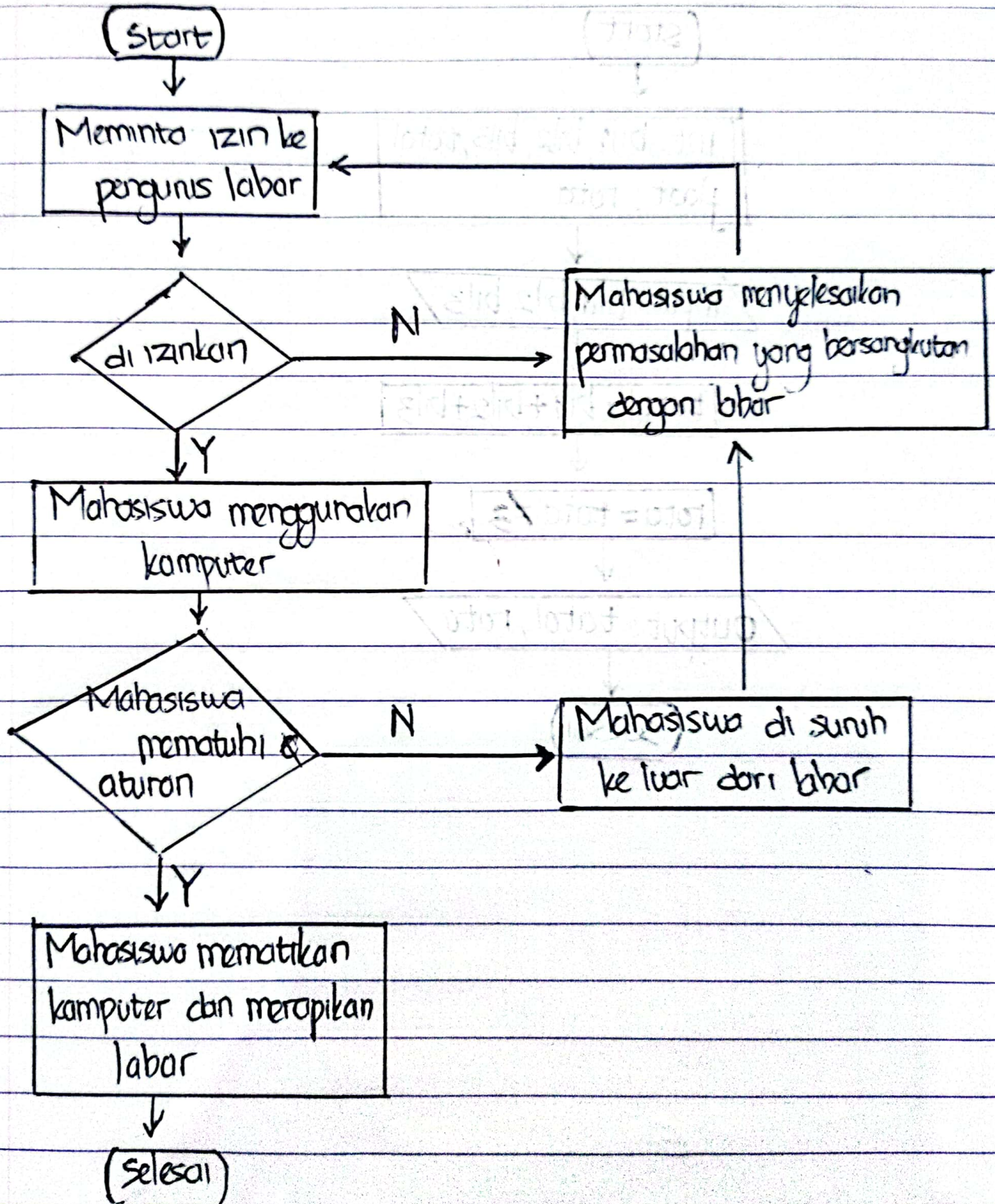








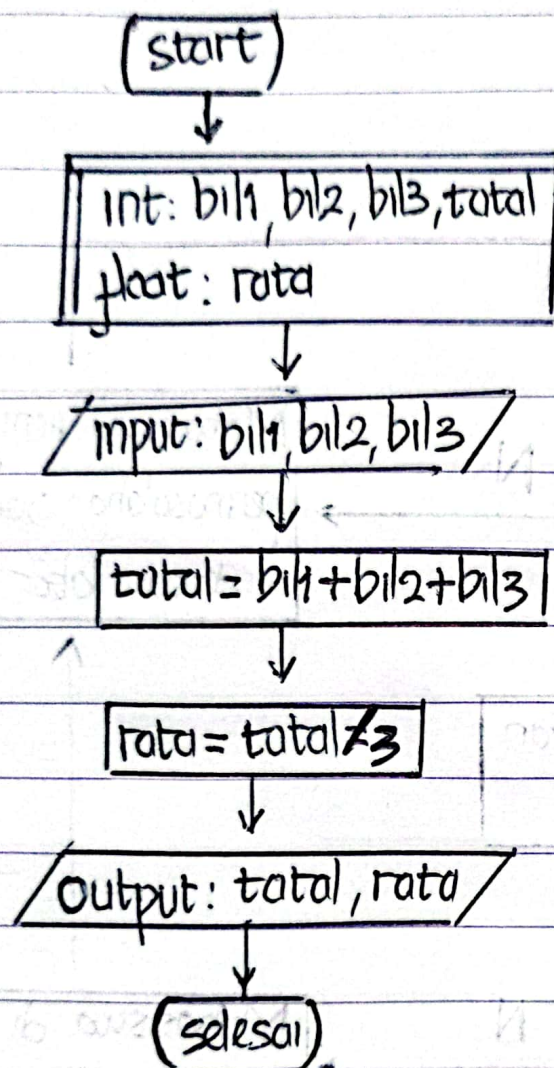
## 2 Menggunakan komputer di laboratorium





3

Menghitung rata-rata dari 3 buah bilangan





## 17.2 Konversi Sistem Bilangan

1 \*  $1980_{10} = \underline{1111011100}_{(2)}$

\*  $1980_{10} = \underline{7BC}_{(16)}$

$1980 \div 2 = 0$

$990 \div 2 = 0$

$495 \div 2 = 1$

$247 \div 2 = 1$

$123 \div 2 = 1$

$61 \div 2 = 1$

$30 \div 2 = 0$

$15 \div 2 = 1$

$7 \div 2 = 1$

$3 \div 2 = 1$

$1 \div 2 = 1$

$1980 \div 16 = 12 (C)$

$123 \div 16 = 11 (B)$

$7 \div 16 = 7$

\*  $1980_{10} = \underline{3674}_{(8)}$

$1980 \div 8 = 4$

$247 \div 8 = 7$

$30 \div 8 = 6$

$3 \div 8 = 3$

2 \*  $1001001101_{(2)} = \underline{589}_{(10)}$

$$(1 \times 2^9) + (0 \times 2^8) + (0 \times 2^7) + (1 \times 2^6) + (0 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) +$$

$$(1 \times 2^2) + (1 \times 2) + (1 \times 2^0)$$

$= 589$

\*  $1001001101_{(2)} = \underline{24D}_{(16)}$

$1101 = 0 + 4 + 1 = 13 (D)$

$0100 = 4$

$10 = 2$





$$* 1001001101_{(2)} = \underline{1115_{(8)}}$$

$$101 = 5$$

$$001 = 1$$

$$001 = 1$$

$$001 = 1$$

$$3 * 76_{(8)} = \underline{11110_{(2)}}$$

$$7 = 111$$

$$6 = 110$$

$$* 76_{(8)} = \underline{3E_{(16)}}$$

$$7 = 111$$

$$6 = 110$$

$$00111110$$

$$1110 = 14(E)$$

$$0011 = 3$$

$$* 76_{(8)} = \underline{62_{(10)}}$$

$$(7 \times 8^1) + (6 \times 8^0)$$

$$= 62$$





$$4 * 43F_{(16)} = \underline{01000011111}_{(2)}$$

$$4 = 0100$$

$$3 = 0011$$

$$F = 1111$$

$$*43F_{(16)} = \underline{1087}_{(10)}$$

$$(4 \times 16^2) + (3 \times 16^1) + (15 \times 16^0) \\ = 1087$$

$$*43F_{(16)} = \underline{2077}_{(8)}$$

$$4 = 0100$$

$$3 = 0011$$

$$F = 1111$$

$$010 = 2$$

$$000 = 0$$

$$111 = 7$$

$$111 = 7$$