

Tugas Himpunan (Lanjutan)

No

Date

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1. Misalkan $S = \{a, b, c, d, e, f, g\}$

$$A = \{a, b, c, d, e\}; \rightarrow A' = \{f, g\}$$

$$B = \{a, c, e, g\}; \rightarrow B' = \{b, d, f\}$$

$$C = \{b, e, f, g\}; \rightarrow C'$$

Tentukan :

a. $A \cup C = \{a, b, c, d, e, f, g\}$

b. $B \cap A = \{a, c, e\}$

c. $C \cap A' = \{f, g\}$

d. $(A - B)' = \{b, d, f, g\}$

e. $(B \cap B')' = \{a, b, c, d, e, f, g\}$

f. $A' \cap B' = \{f\}$

g. $A' \cup B' = \{b, d, f, g\}$

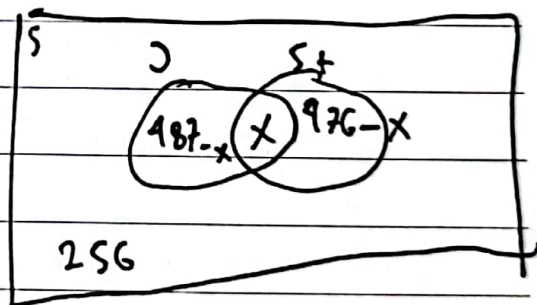
2. ~~Ber~~ Diket:

• Jeruk = 487

$$S = 1000$$

Strawberry = 476

tidak keduanya = 256



a. $S = (487 - x) + x + (476 - x) + 256$

• $1000 = (487 + 476 + 256 - x)$

$$1000 = 1219 - x$$

$$x = 1219 - 1000$$

$$= 219$$

$$\begin{aligned} \text{B. Hanya menyukai jeruk} &= 467 - 219 \\ &= 268 \end{aligned}$$

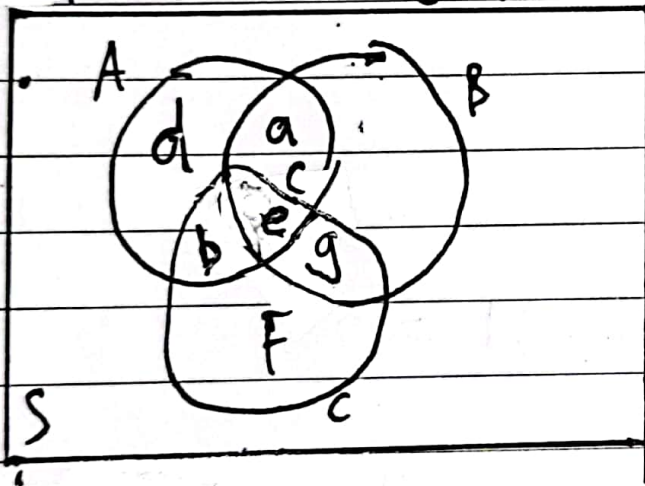
$$\text{Tidak menyukai jeruk} = 1000 - 268 = 732$$

$$\begin{aligned} \text{C. Hanya menyukai Strawberry} &= 476 - 219 \\ &= 257 \end{aligned}$$

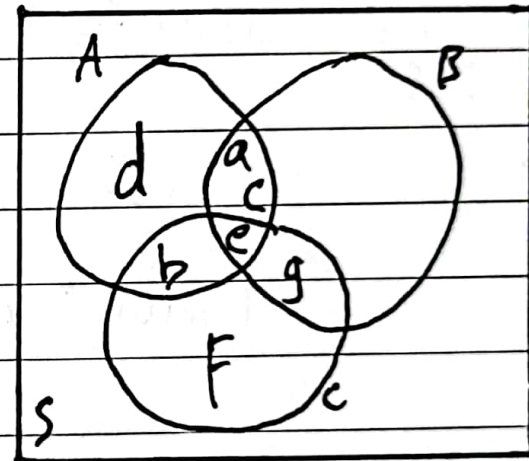
$$\text{Tidak menyukai Strawberry} = 1000 - 257 = 743$$

3. Gambarlah Diagram Venn nya :

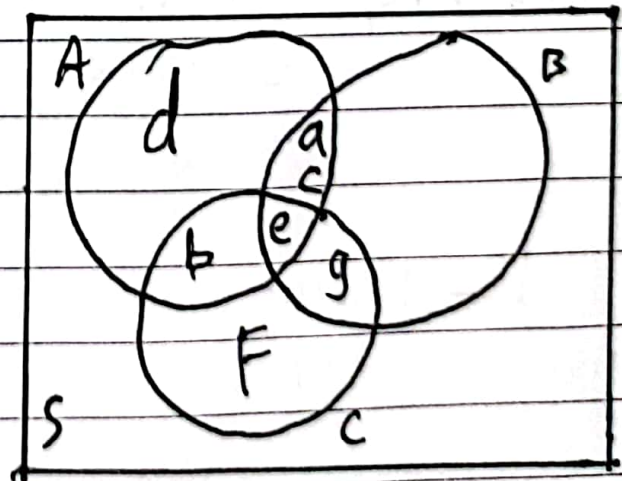
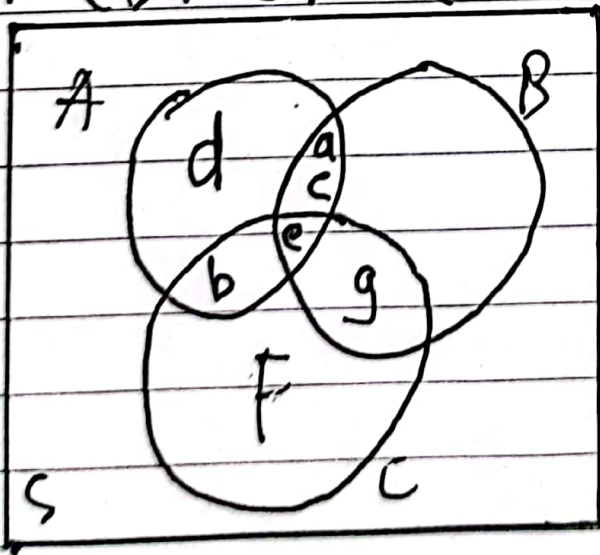
a. $(A-B)-C = \{d\}$



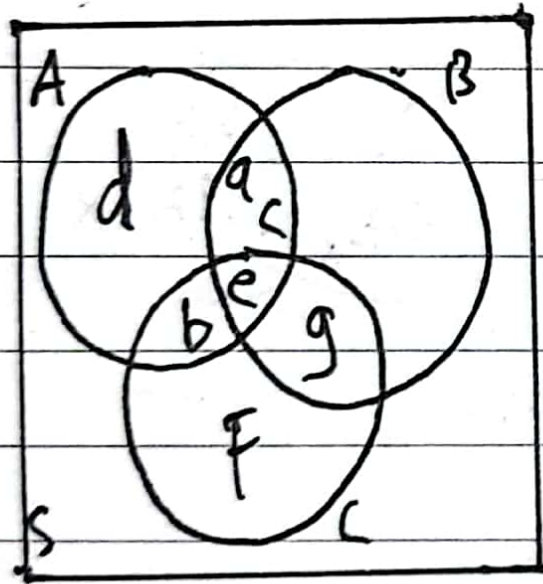
c. $C-(A \cup B) = \{f\}$



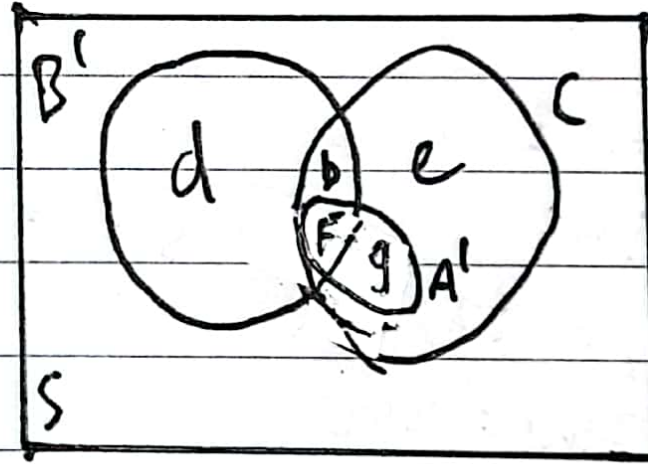
b. $A-(B \cap C) = \{a, b, c, d\}$ d. $(A-C)+B = \{d\}$



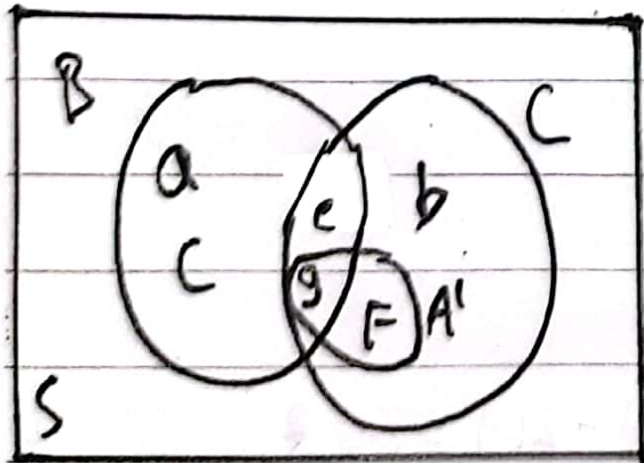
$$e. C + (B - A) = \{F\}$$



$$G. (A' \cap B') \cap C = \{F\}$$



$$F. A' \cap (B + C) = \{F\}$$



$$H. (C + A') \cup B' = \{b, d, e\}$$

