SIFAT-SIFAT OPERASI PADA HIMPUNAN

1. Hukum Identitas 1. $A \cup \Phi = A$ 2. $A \cap U = A$	2. Hukum Null/ dominasi 1. $A \cap \Phi = \Phi$ 2. $A \cup U = U$
3. Hukum Komplemen 1. $A \cup \overline{A} = U$ 2. $A \cap \overline{A} = \Phi$	4. Hukum Idempoten 1. $A \cup A = A$ 2. $A \cap A = A$
5. Hukum Involusi $\overline{(\overline{A})} = A$	6. Hukum Penyerapan (absorpsi) 1. $A \cup (A \cap B) = A$ 2. $A \cap (A \cup B) = A$
7. Hukum Komutatif 1. $A \cup B = B \cup A$ 2. $A \cap B = B \cap A$	8. Hukum Asosiatif 1. $A \cup (B \cup C) = (A \cup B) \cup C$ 2. $A \cap (B \cap C) = (A \cap B) \cap C$
9. Hukum Distributif 1. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ 2. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$	10. Hukum De Morgan 1. $\overline{A \cap B} = \overline{A} \cup \overline{B}$ 2. $\overline{A \cup B} = \overline{A} \cap \overline{B}$
11. Hukum 0/1 (Hk. Komplemen 2) 1. $\overline{\Phi} = U$ 2. $\overline{U} = \Phi$	