

Rumus Tangen untuk Jumlah dan Selisih Dua Sudut

Isilah kotak sebelah kanan dengan cara menggeser kotak sebelah kiri dengan tepat.

$$\tan(\alpha + \beta) = \frac{\boxed{}}{\boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}} \quad \left(\text{dikalikan dengan } \frac{\frac{1}{\cos \alpha \cos \beta}}{\frac{1}{\cos \alpha \cos \beta}} \right)$$

$$= \frac{\boxed{}}{\boxed{}} = \frac{\frac{\sin \alpha}{\cos \alpha} + \frac{\sin \beta}{\cos \beta}}{1 - \frac{\sin \alpha}{\cos \alpha} \cdot \frac{\sin \beta}{\cos \beta}}$$

$$= \frac{\boxed{}}{\boxed{}}$$

$$\frac{\sin \alpha \cos \beta}{\cos \alpha \cos \beta} + \frac{\cos \alpha \sin \beta}{\cos \alpha \cos \beta}$$

$$\cos \alpha \cos \beta - \sin \alpha \sin \beta$$

$$\sin(\alpha + \beta)$$

$$\frac{\cos \alpha \cos \beta}{\cos \alpha \cos \beta} - \frac{\sin \alpha \sin \beta}{\cos \alpha \cos \beta}$$

$$\cos(\alpha + \beta)$$

$$\tan \alpha + \tan \beta$$

$$1 - \tan \alpha \cdot \tan \beta$$

$$\sin \alpha \cos \beta + \cos \alpha \sin \beta$$