

1a

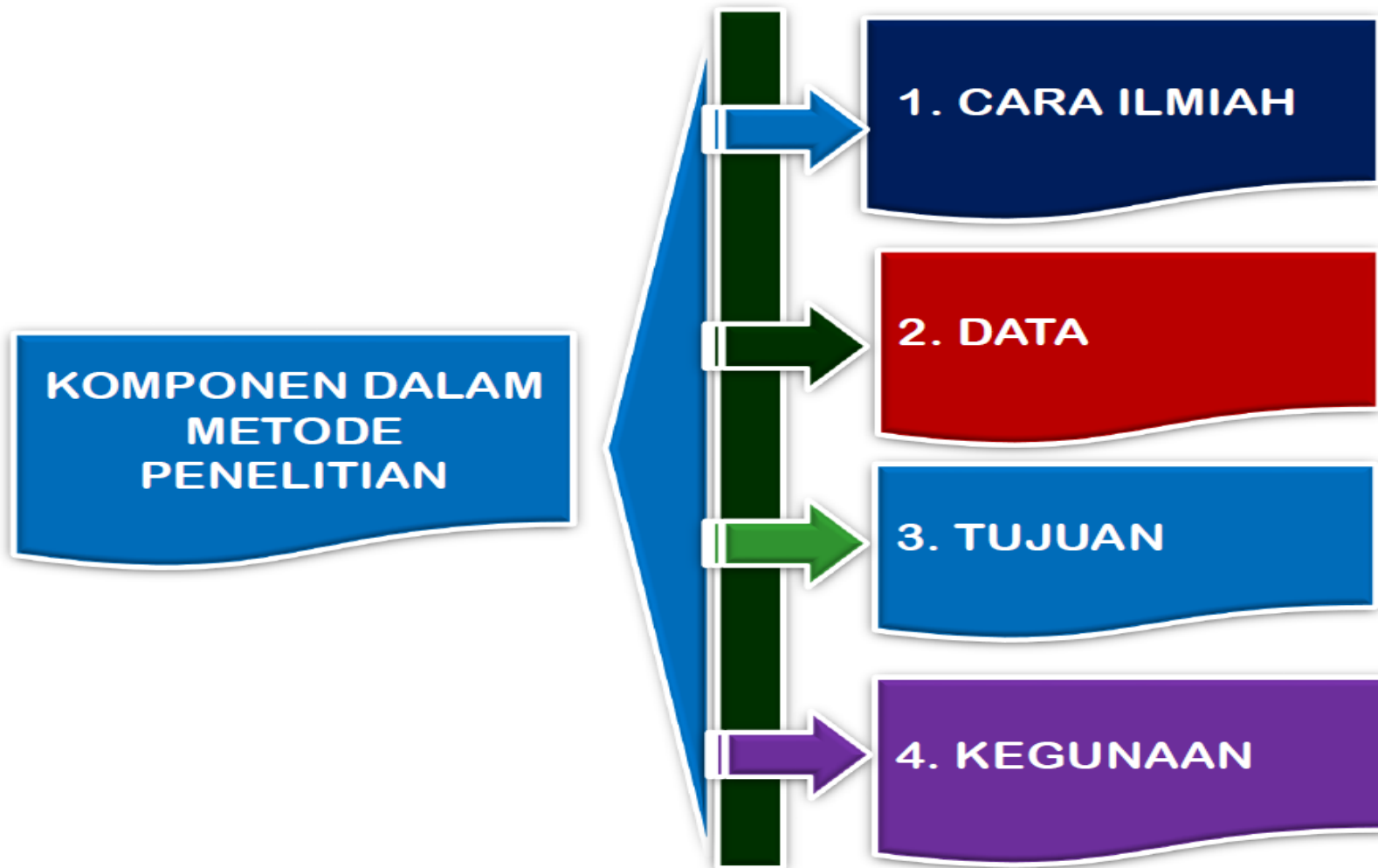
# PENGERTIAN METODE PENELITIAN





**PENGERTIAN METODE PENELITIAN**

**CARA ILMIAH UNTUK  
MENDAPATKAN DATA  
DENGAN TUJUAN DAN  
KEGUNAAN TERENTU**

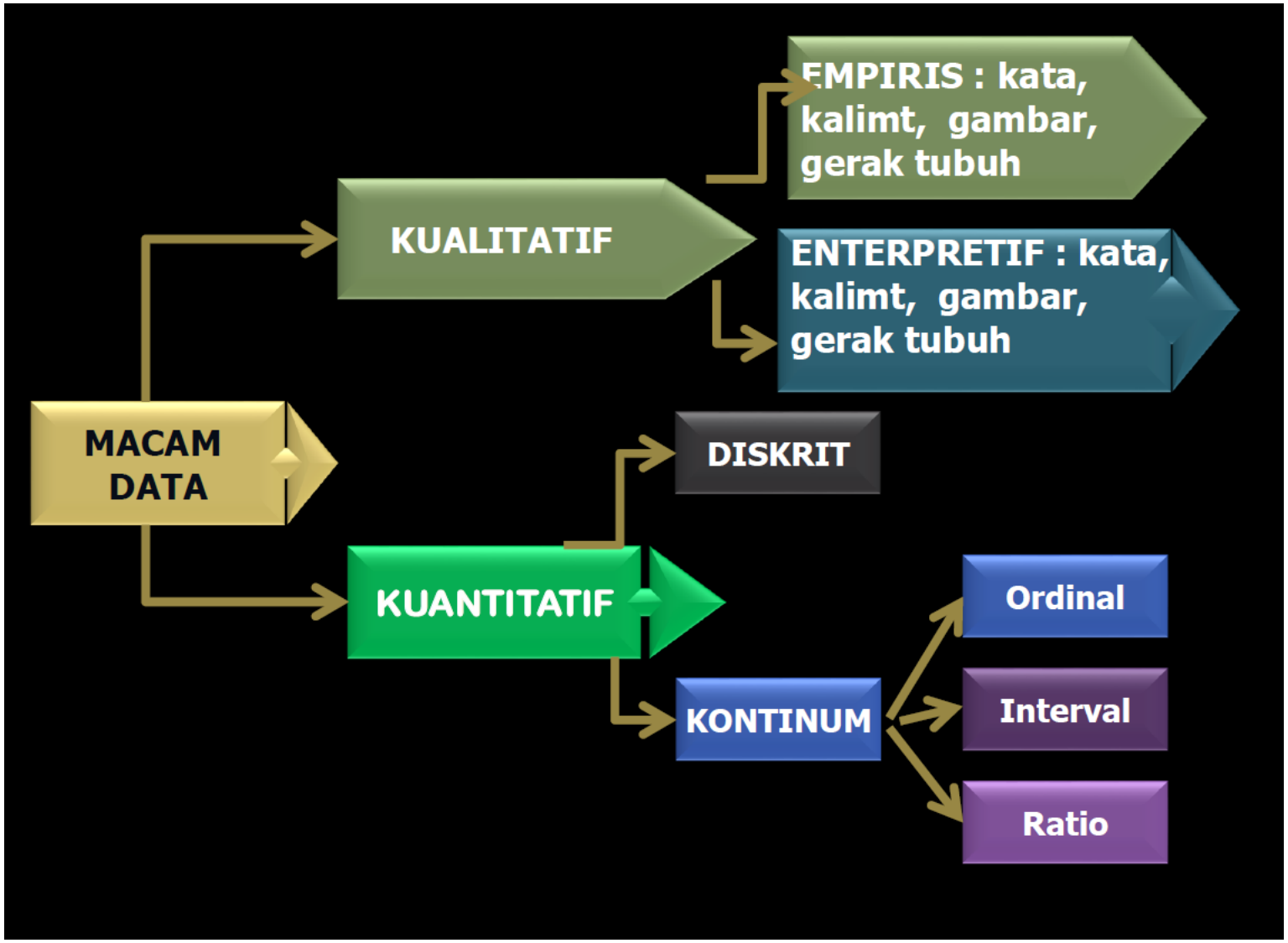


**CARA ILMIAH**

**RASIONAL**

**EMPIRIS**

**SISTEMATIS**



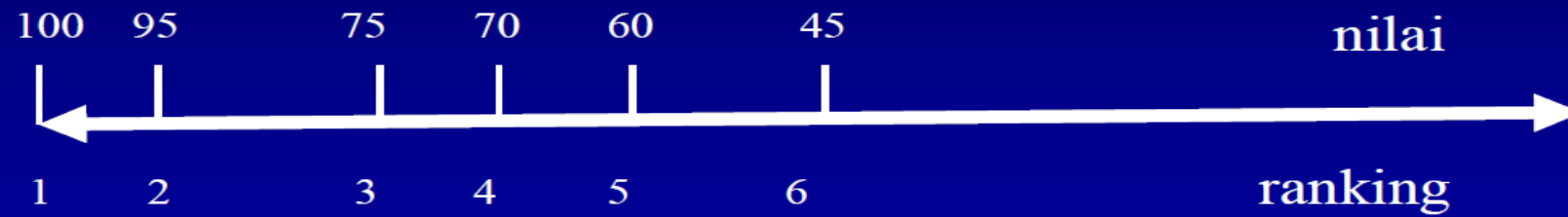


$N = 11$  org

Data diskrit

Hasil  
membilang

## DATA ORDINAL, JARAK TIDAK SAMA



# DATA INTERVAL

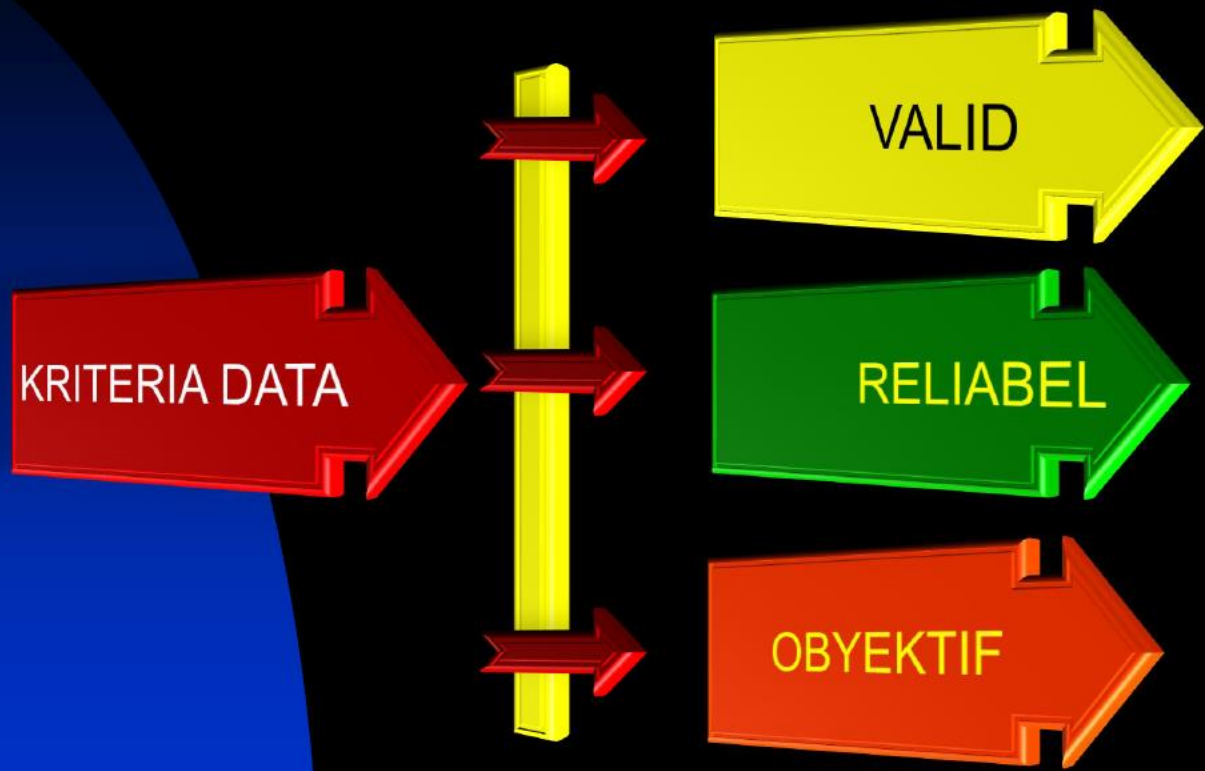
DATA INTERVAL: JARAK SAMA, ADA NILAI NOL TETAPI  
TIDAK MUTLAK

-2   -1   0   1   2   3   4   5   6   7   8   9









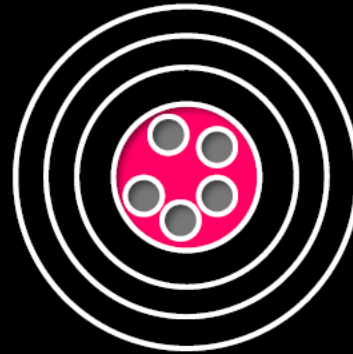
# GAMBAR VALIDITAS DAN RELIABILITAS PENELITIAN



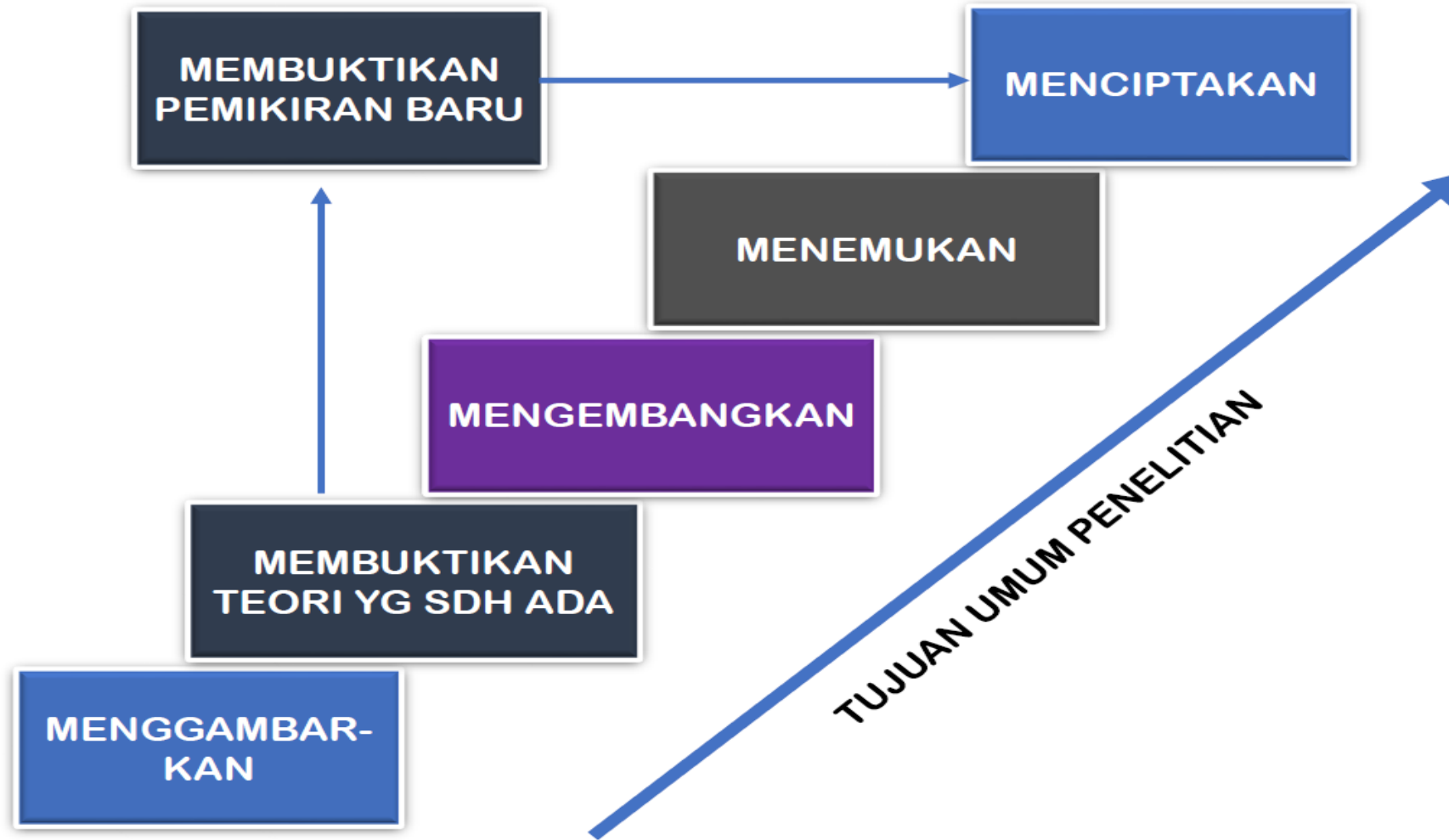
**Tidak Valid  
tidak reliabel**



**Tidak Valid  
reliabel**

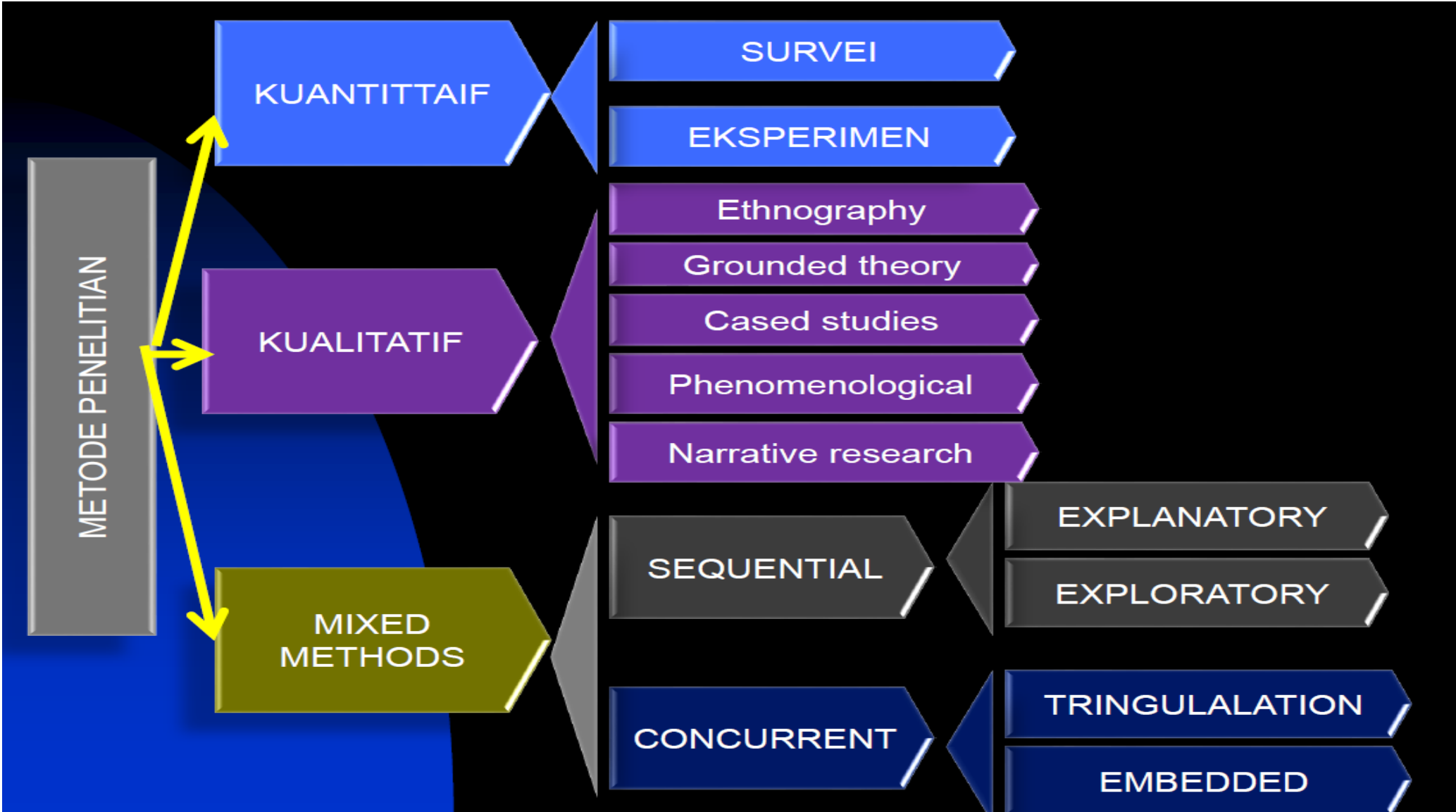


**Valid dan  
reliabel**

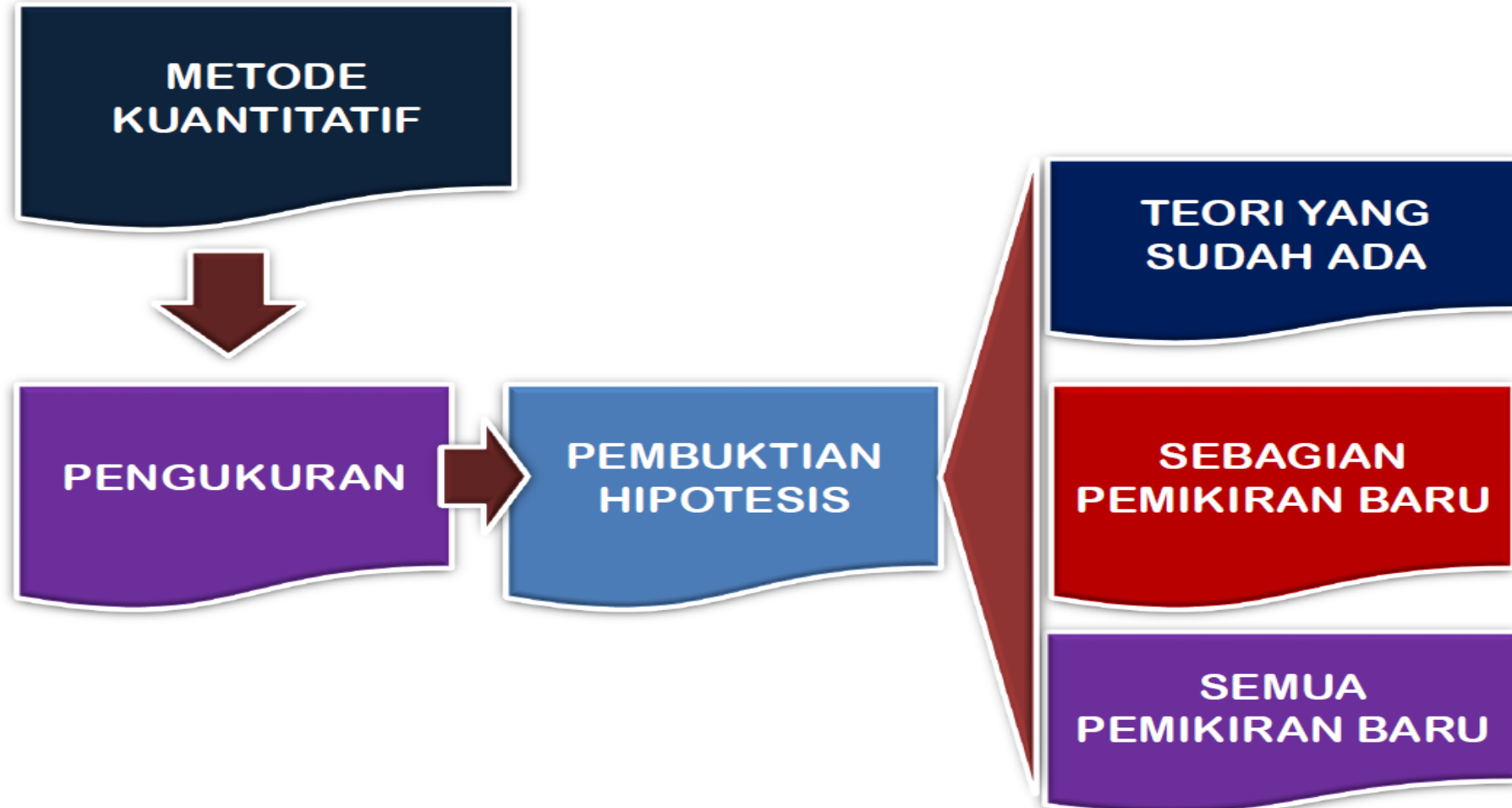








**POLA FIKIR PENELITIAN  
KUANTITATIF**





**METODE  
KUANTITATIF**

**METODE  
PENELITIAN  
EKSPERIMEN**

**METODE  
PENELITIAN SURVEI**

METODE  
EKSPERIMEN

PRE  
EXPERIMENTAL

TRUE  
EXPERIMENTAL

FACTORIAL  
EXPERIMENTAL

QUASI  
EXPERIMENTAL

PRE  
EXPERIMENTAL

One Shot Case  
Study

X O

One Group  
Pretest Posttest

O<sub>1</sub> X O<sub>2</sub>

Intact Group  
Comparison

X      O<sub>1</sub>  
          O<sub>2</sub>

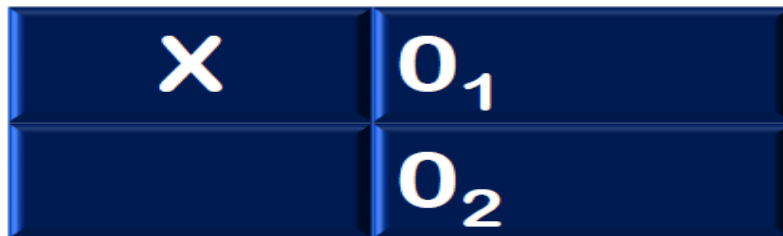
## PENGARUH DIKLAT IT (X) TERHADAP KETRAMPILAN NAPI



X	=	diklat)
O	=	Observasi/ Postest



O <sub>1</sub>	=	Pretes
X	=	diklat)
O <sub>2</sub>	=	Postes
Pengaruh	=	O <sub>2</sub> - O <sub>1</sub>



X	=	diklat)
O <sub>1</sub>	=	Pretes
O <sub>2</sub>	=	Postes
Pengaruh	=	O <sub>1</sub> - O <sub>2</sub>

TRUE  
EXPERIMENTAL

Posttest Only  
Control Group  
Design

R	x	O <sub>1</sub>
R		O <sub>2</sub>

Pretest Posttest  
Control Group  
Design

<b>RO<sub>1</sub></b>	<b>x</b>	<b>O<sub>2</sub></b>
<b>RO<sub>3</sub></b>		<b>O<sub>4</sub></b>

FACTORIAL  
EXPERIMENTAL

R	01	X	Y1	O2
R	03		Y1	O4
R	O5	X	Y2	O6
R	07		Y2	O8

QUASI  
EXPERIMENTAL

TIME SERIES

$$\begin{array}{cccc} O_1 & O_2 & O_3 & O_4 \\ & X & & \\ O_5 & O_6 & O_7 & O_8 \end{array}$$

nonequivalent  
Control Group  
Design

$$\begin{array}{ccc} O_1 & X & O_2 \\ \hline O_3 & & O_4 \end{array}$$

## METODE SURVEI

