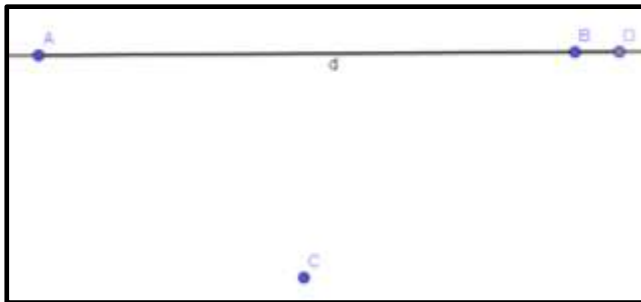


## Cara Menentukan Warna Jarak titik ke Garis Tegak Lurus



```
Properties - Point D
Basic Color Style Algebra Advanced Scripting
On Click On Update Global JavaScript
1 var a = ggbApplet.getValue("α");
2 var b = ggbApplet.getValue("β");
3 if(a>b){
4   ggbApplet.setColor("g",255,0,0);
5 } else {
6   ggbApplet.setColor("g",0,0,255)
7 };
8 ggbApplet.evalCommand("c=Line(C,D)")
9 ggbApplet.evalCommand("d=Segment(A,D)");
10 var e = ggbApplet.getXcoord("A");
11 var f = ggbApplet.getXcoord("B");
12 var h = ggbApplet.getXcoord("D");
13 if(h<e || h>f){
14   ggbApplet.setVisible("g",false);
15   ggbApplet.setVisible("α",false);
16 } else {
17   ggbApplet.setVisible("g",true);
18   ggbApplet.setVisible("α",true);
19 }
20 ggbApplet.setVisible("c",false)
21
```

Algebra

Angle

- $\alpha = 324.74^\circ$
- $\beta = 90^\circ$

Line

- $c: -3.98x + 5.56y = -20.$
- $f: -0.06x + 9.46y = 27.8$

Point

- $A = (-0.94, 2.94)$
- $B = (8.52, 3)$
- $C = (3.74, -0.98)$
- $D = (9.3, 3)$

Segment

- $d = 10.24$
- $g = 6.84$

```
var a = ggbApplet.getValue("α");
var b = ggbApplet.getValue("β")
if(a>b){
ggbApplet.setColor("g",255,0,0);
} else {
ggbApplet.setColor("g",0,0,255)
};
ggbApplet.evalCommand("c=Line(C,D)")
ggbApplet.evalCommand("d=Segment(A,D)");
var e = ggbApplet.getXcoord("A");
```

```
var f = ggbApplet.getXcoord("B");
var h = ggbApplet.getXcoord("D");
if(h<e || h>f){
ggbApplet.setVisible("g",false);
ggbApplet.setVisible("α",false);
} else {
ggbApplet.setVisible("g",true);
ggbApplet.setVisible("α",true);
}
ggbApplet.setVisible("c",false);
```