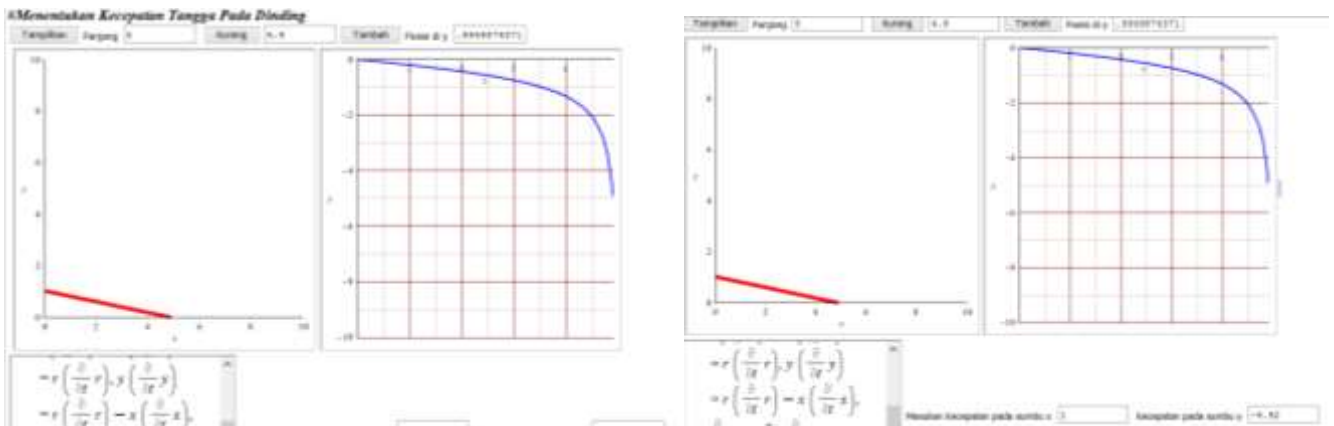


Menentukan Kecepatan Tangga Pada Dinding



```

use DocumentTools in
a:=Do(%TextArea0);
gambar:=plot([[0,0],[0,a]],x=0..10,y=0..10,color=red,thickness=5);
Do(%Plot0=gambar);
Do(%TextArea1=0);
Do(%TextArea3=0);
Do(%TextArea4=0);
end use;

```

```

1 use DocumentTools in
2 a:=Do(%TextArea0);
3 gambar:=plot([[0,0],[0,a]],x=0..10,y=0..10,color=red,thickness=5);
4 Do(%Plot0=gambar);
5 Do(%TextArea1=0);
6 Do(%TextArea3=0);
7 Do(%TextArea4=0);
8 end use;

```

```

use DocumentTools in
b:=Do(%TextArea0);
a:=Do(%TextArea1);
a:=a-0.1;
Do(%TextArea1=a);
c:=sqrt(b^2-a^2);
gambar:=plot([[0,c],[a,0]],x=0..10,y=0..10,color=red,thickness=5);
Do(%Plot0=gambar);
end use;

```

```

1 use DocumentTools in
2 b:=Do(%TextArea0);
3 a:=Do(%TextArea1);
4 a:=a-0.1;
5 Do(%TextArea1=a);
6 c:=sqrt(b^2-a^2);
7 gambar:=plot([[0,c],[a,0]],x=0..10,y=0..10,color=red,thickness=5);
8 Do(%Plot0=gambar);
9 end use;

```

```

use DocumentTools in
b:=Do(%TextArea0);
a:=Do(%TextArea1);
a:=a+0.1;
Do(%TextArea1=a);
c:=sqrt(b^2-a^2);
gambar:=plot([[0,c],[a,0]],x=0..10,y=0..10,color=red,thickness=5);
Do(%Plot0=gambar);
Do(%TextArea3=c);
e:=x^2+y^2=r^2;
f:=diff(op(1,lhs(e)),x)*Diff(x,t)+diff(op(2,lhs(e)),y)*Diff(y,t)=diff(rhs(e),r)*Diff(r,t);
g:=f/2;
h:=g-op(1,lhs(g));
i:=h/y;
j:=Diff(r,t)=0;
k:=Diff(x,t)=Do(%TextArea2);
l:=subs(j,k,i);
m:=x=Do(%TextArea1);
n:=y=Do(%TextArea3);
o:=lhs(l)=subs(m,n,rhs(l));
Do(%MathContainer0=[e,f,g,h,l,o]);
Do(%TextArea4=evalf(rhs(o),3));
gambaran:=plot(-x/sqrt(b^2-x^2),x=0..a,y=-10..0,color=blue,thickness=2);
Do(%Plot1=gambaran);
end use;

```

```

Button2 Action When Clicked
File Edit View
7 gambar:=plot([[0,c],[a,0]],x=0..10,y=0..10,color=red,thickness=5);
8 Do(%Plot0=gambar);
9 Do(%TextArea3=c);
10 e:=x^2+y^2=r^2;
11 f:=diff(op(1,lhs(e)),x)*Diff(x,t)+diff(op(2,lhs(e)),y)*Diff(y,t)=diff(rhs(e),r)*Diff(r,t);
12 g:=f/2;
13 h:=g-op(1,lhs(g));
14 i:=h/y;
15 j:=Diff(r,t)=0;
16 k:=Diff(x,t)=Do(%TextArea2);
17 l:=subs(j,k,i);
18 m:=x=Do(%TextArea1);
19 n:=y=Do(%TextArea3);
20 o:=lhs(l)=subs(m,n,rhs(l));
21 Do(%MathContainer0=[e,f,g,h,l,o]);
22 Do(%TextArea4=evalf(rhs(o),3));
23 gambaran:=plot(-x/sqrt(b^2-x^2),x=0..a,y=-10..0,color=blue,thickness=2);
24 Do(%Plot1=gambaran);

```