

DAFTAR PUSTAKA

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Lampiran I. Maple 18 solusi numerik disekitar Q₁

```
> restart;
> with(DEtools):
> with(linalg):
> with(plots):
> pd := {diff(T(t), t) = r·T(t) · (1 - T(t)/K) - β·T(t)
         · V(t) - a·T(t), diff(V(t), t) = f·β·T(t) · V(t)
         / (e + p·C(t)) - μ·V(t), diff(C(t), t) = 0, C(0) = 0, V(0) = 10,
         T(0) = 100};
> gg := dsolve(pd, {C(t), T(t), V(t)}, numeric, method
   = rkf45, maxfun = 0);
> odeplot(gg, [[t, C(t), color = green, thickness = 5], [t,
   V(t), color = blue], [t, T(t), color = red]], 0 .. 300,
   legend = ["C", "V", "T"], legendstyle = [font
   = ["ROMAN", 9], location = bottom], title
   = ["Grafik Model Kompetisi Virus Onyx dan Sel
   Kanker", font = ["ROMAN", 14]], labels
   = ["t (Hari)", "S"], labelfont = ["ROMAN", 12]);
```

Lampiran II. Maple 18 solusi numerik disekitar Q5

```

> restart;
> with(DEtools):
> with(linalg):
> with(plots):
> pd1 := {diff(T(t), t) = r·T(t) · (1 - T(t)/K) - β·T(t)
   · V(t) - a·T(t), diff(V(t), t) = f·β·T(t) · V(t)
   / (e + p·C(t)) - μ·V(t), diff(C(t), t) = g·T(t) · V(t) · C(t)
   / (e + p·C(t)) - h
   · C(t), C(0) = 200, V(0) = 300, T(0) = 100};
> gg1 := dsolve(pd1, {C(t), T(t), V(t)}, numeric, method
   = rkf45, maxfun = 0);
> odeplot(gg1, [[t, C(t), color = green], [t, V(t), color
   = blue], [t, T(t), color = red]], 0 .. 11, legend = ["C",
   "V", "T"], legendstyle = [font = ["ROMAN", 9],
   location = bottom], title
   = ["Grafik Model Kompetisi Virus Onyx dan Sel
   Kanker", font = ["ROMAN", 14]], labels
   = ["t (Hari)", "S"], labelfont = ["ROMAN", 12])

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