LAMPIRAN

Lampiran 1. Hasil optimasi ligan uji

```
     0.000         27         29
File conversion by Open Babel
     1         3         1         4         2         4         2         6         2
8
     3         5         3         7         4         9         5        10         5
11
     6         7         6        17         7        18         8        12         8
19
     9        13         9        20        10        14        10        21        11
15
    11        22        12        13        12        23        13        24        14
16
    14        25        15        16        15        26        16        27
     8     -0.383825      0.672431      0.027722     11      0.0000
     6     -2.260481     -0.785633     -0.107743      3      0.0000
     6      0.471416     -0.350182     -0.058295      3      0.0000
     6     -1.708409      0.505812      0.026267      3      0.0000
     6      1.937002     -0.081431     -0.015603      3      0.0000
     6     -1.399983     -1.873120     -0.224588      3      0.0000
     6     -0.026001     -1.662904     -0.187024      3      0.0000
     6     -3.652414     -0.957778     -0.114323      3      0.0000
     6     -2.556869      1.609959      0.170249      3      0.0000
     6      2.855930     -1.079053      0.375717      3      0.0000
     6      2.427146      1.192631     -0.361513      3      0.0000
     6     -4.491259      0.150168      0.029501      3      0.0000
     6     -3.946220      1.430337      0.176166      3      0.0000
     6      4.224905     -0.805557      0.416079      3      0.0000
     6      3.802976      1.451784     -0.338314      3      0.0000
     6      4.699177      0.454690      0.052637      3      0.0000
     1     -1.785972     -2.879131     -0.335561     15      0.0000
     1      0.630508     -2.514291     -0.281902     15      0.0000
     1     -4.084289     -1.945726     -0.222381     15      0.0000
     1     -2.143766      2.603848      0.285787     15      0.0000
     1      2.523596     -2.061645      0.676152     15      0.0000
     1      1.749250      1.978023     -0.671668     15      0.0000
     1     -5.565478      0.015517      0.032070     15      0.0000
     1     -4.601518      2.283414      0.294899     15      0.0000
     1      4.918339     -1.574697      0.731319     15      0.0000
     1      4.175376      2.427047     -0.624162     15      0.0000
     1      5.761963      0.658388      0.077012     15      0.0000
     1      0.0000      0         0.0000
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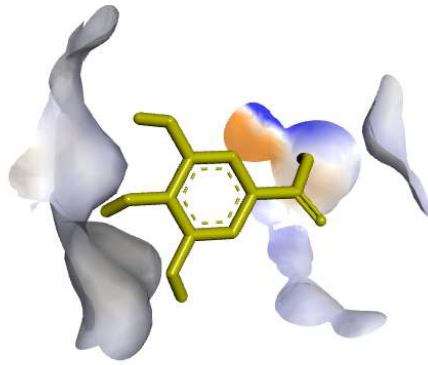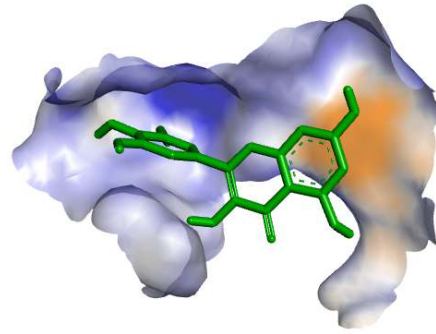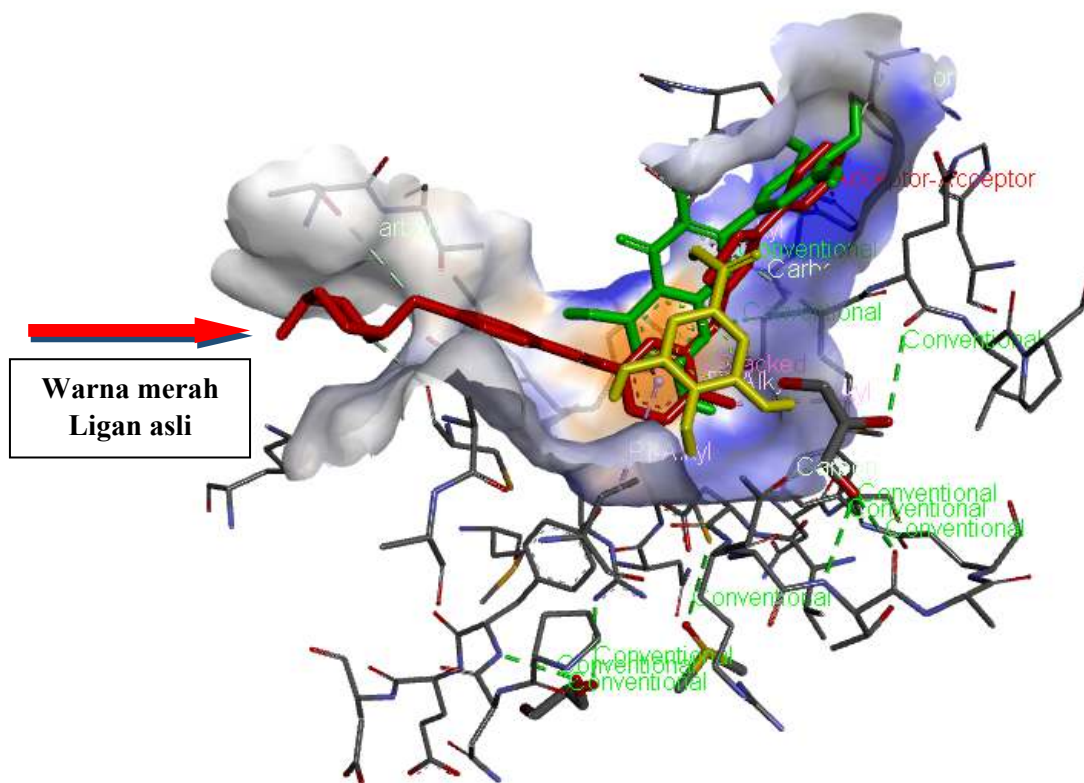
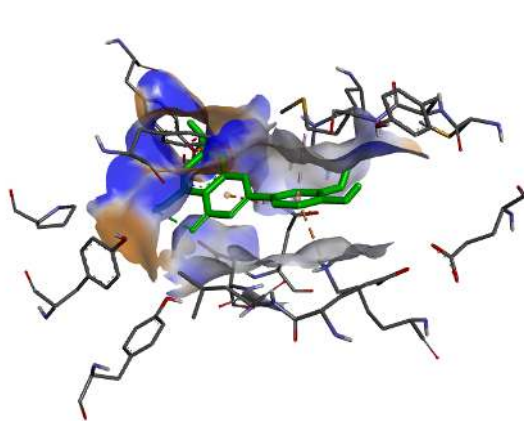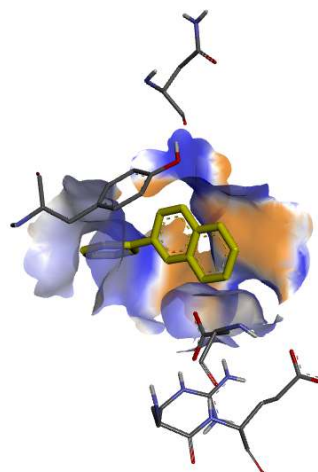**Lampiran 2.** *Binding pocket* **protein target 7JU7 dengan ligan uji**

| **Asam gallat** | **Myricetin** |

Warna merah Ligan asli

Lampiran 3. *Binding pocket* **protein target 4OW0 dengan ligan uji**

| **Luteolin** | **Anthocyanin** |

Warna merah Ligan asli
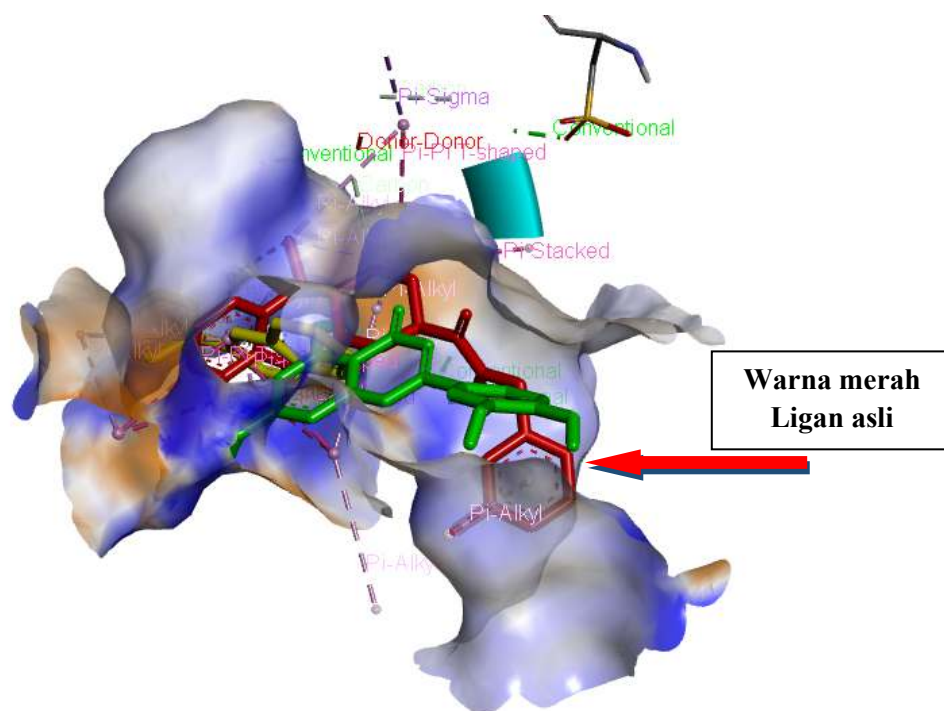
Lampiran 4. *Binding pocket* **protein target 7AAP dengan ligan uji**

| Luteolin | Apigenin |

| Asam ellagik | Pelargonidin |

Warna merah Ligan asli