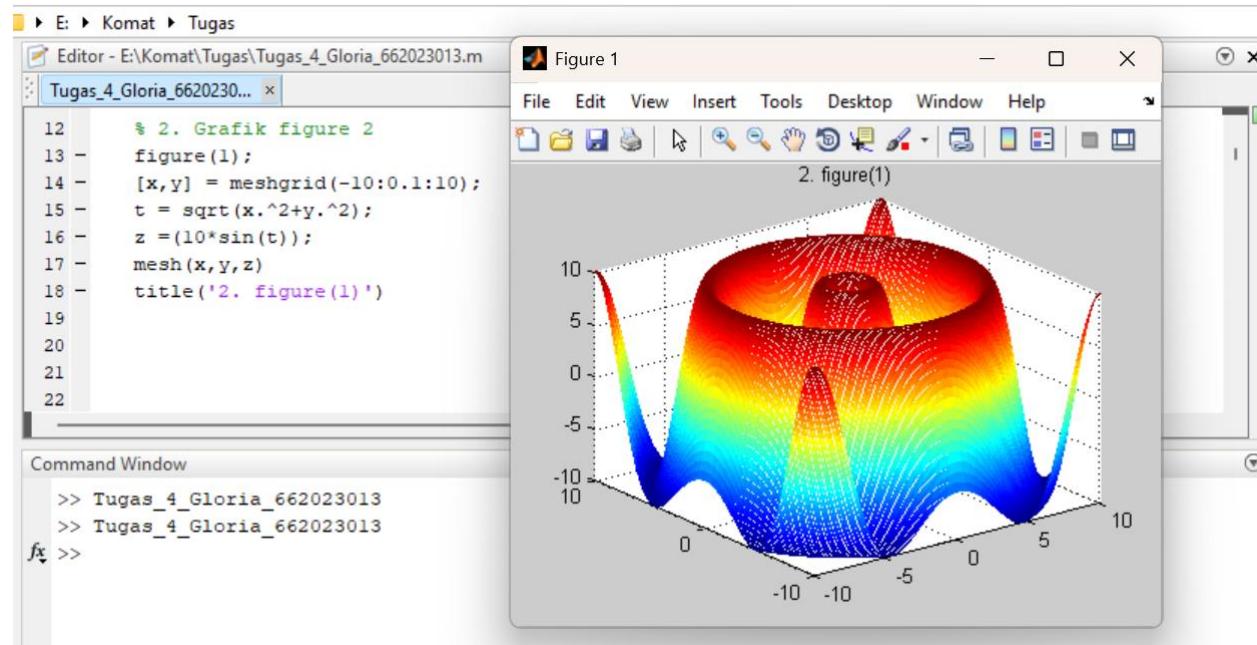
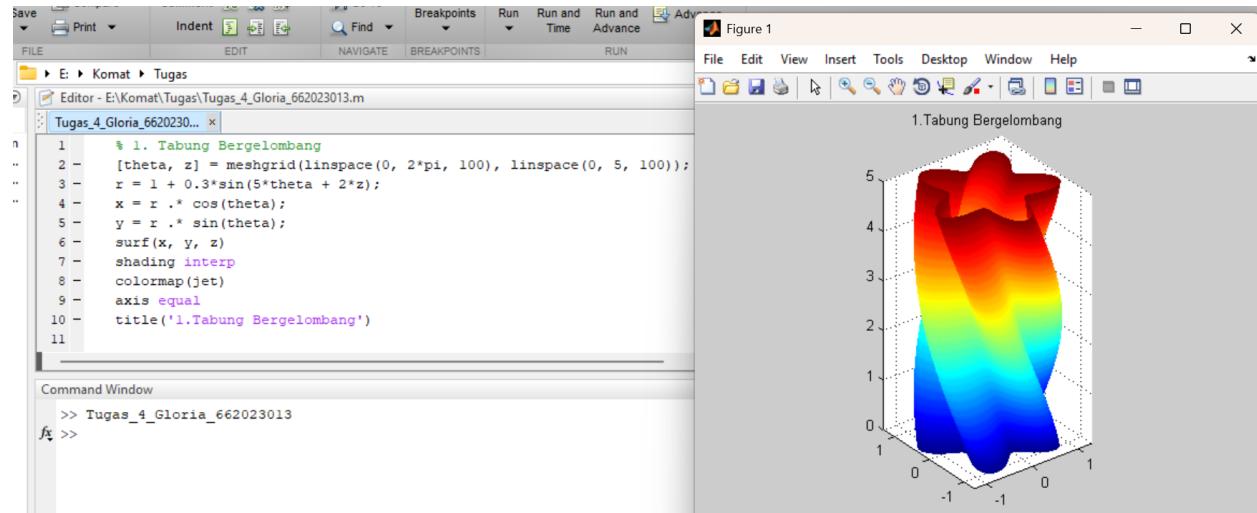


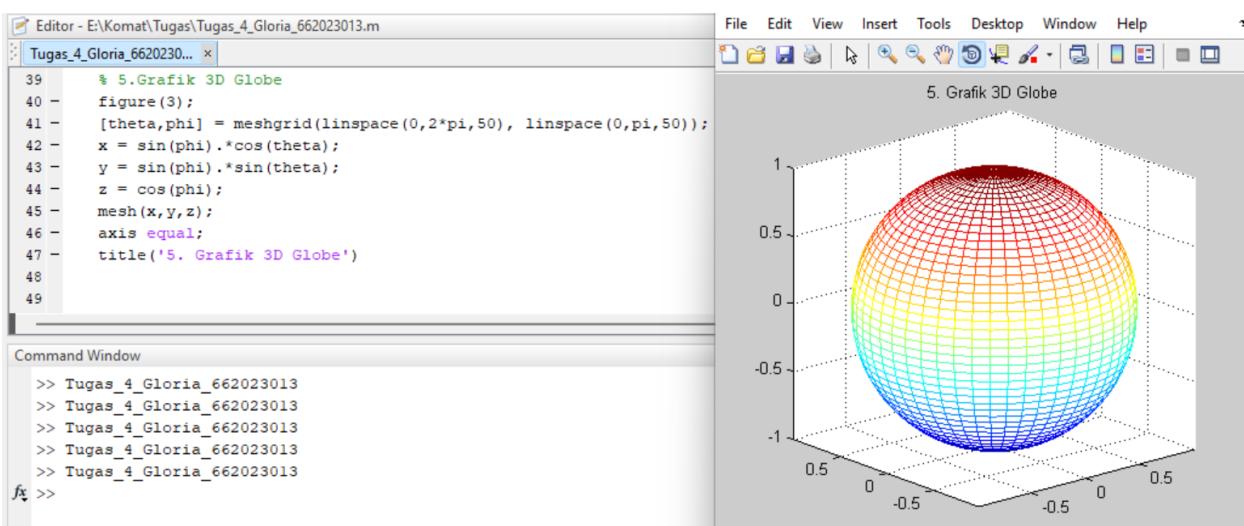
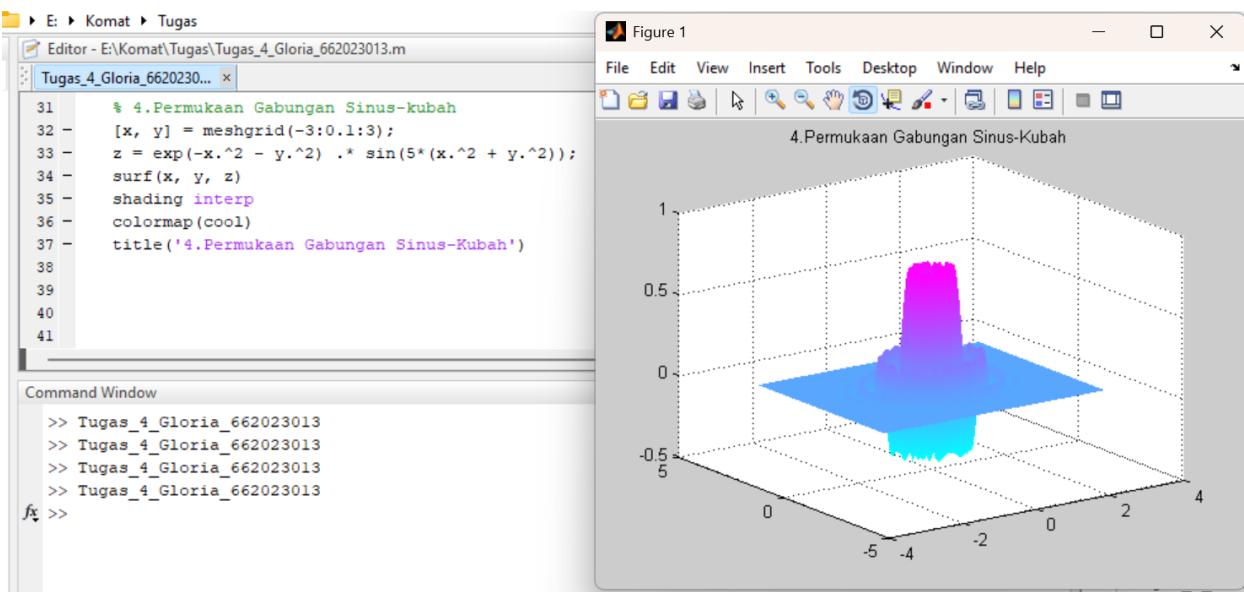
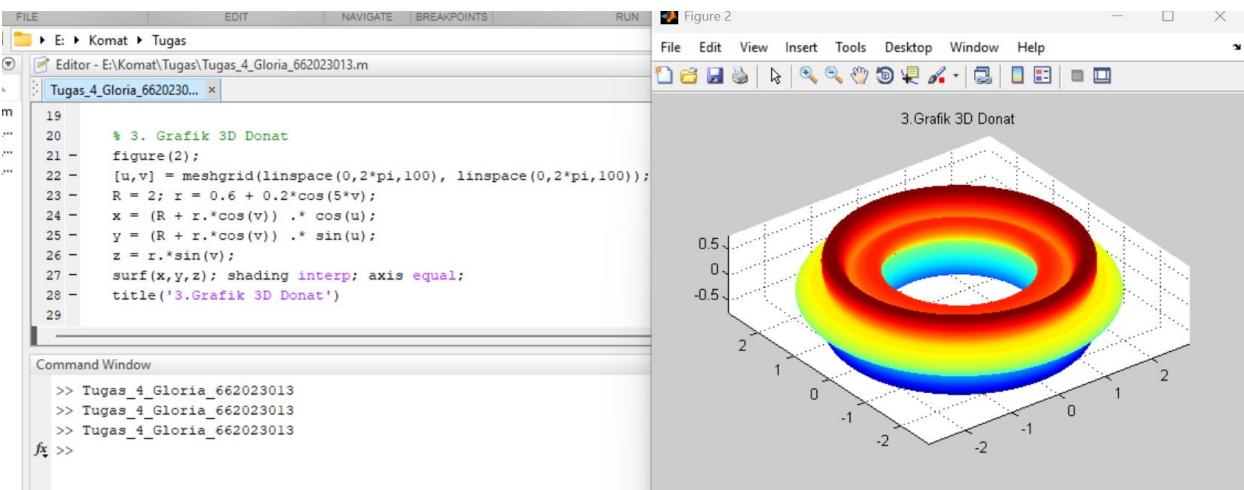
Tugas_4

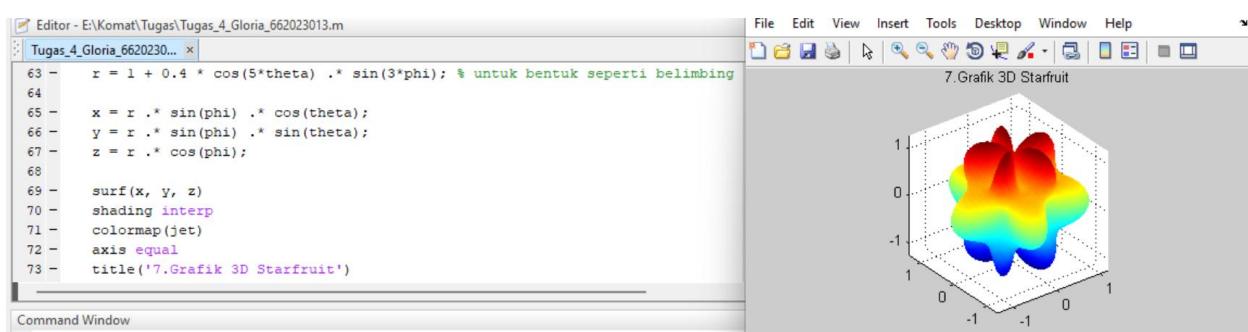
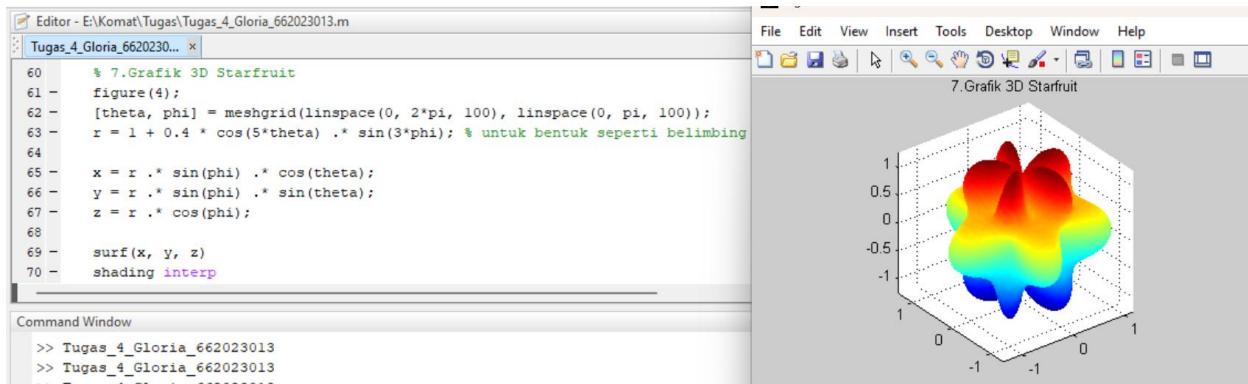
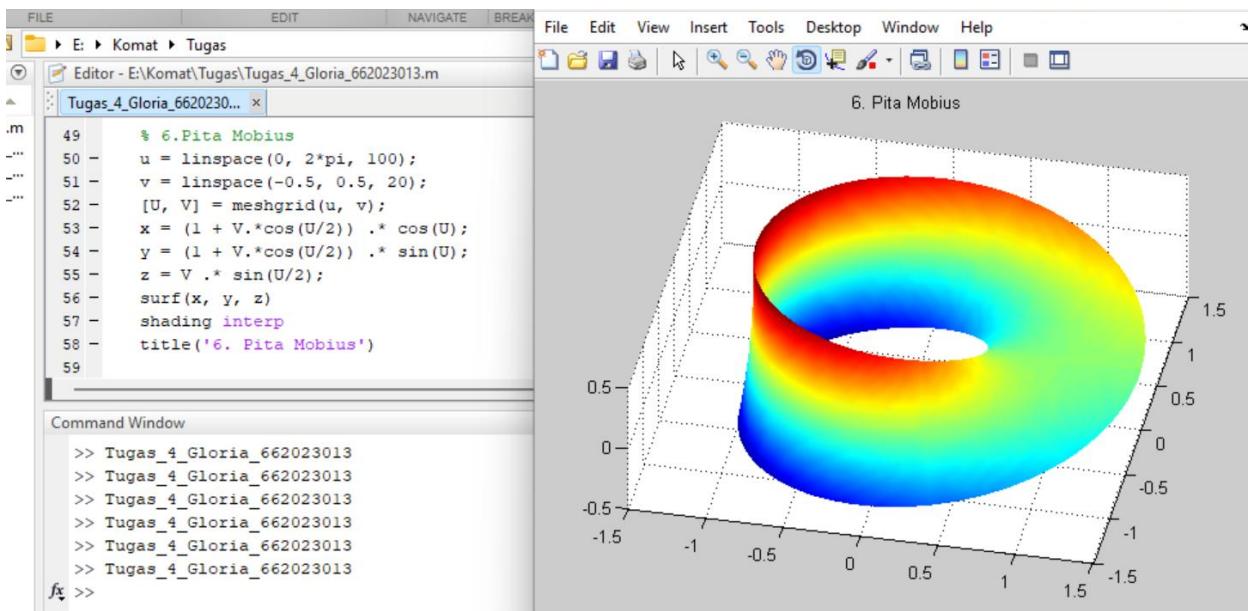
Nama : Gloria Liwulanga

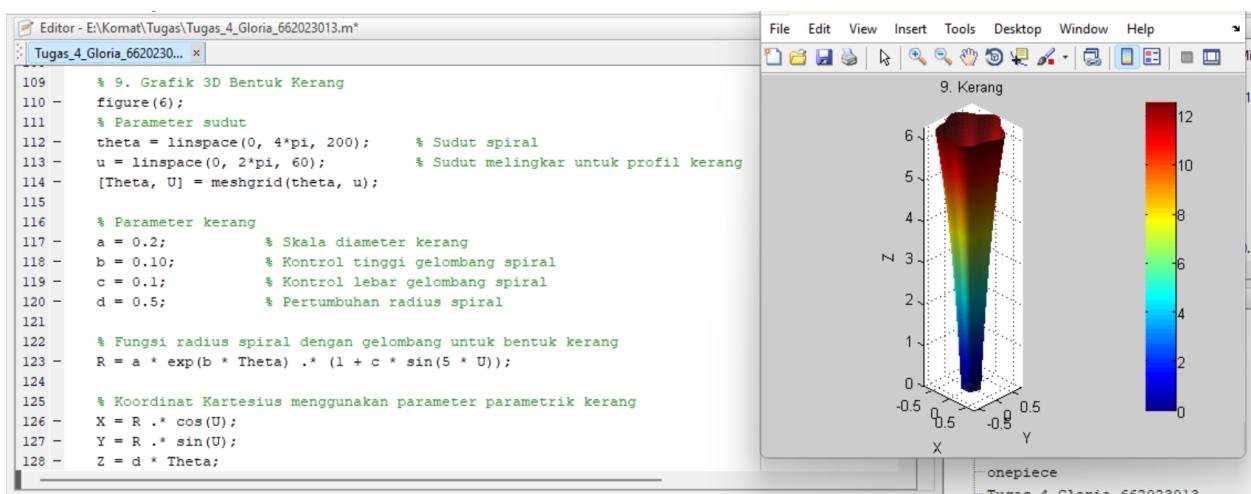
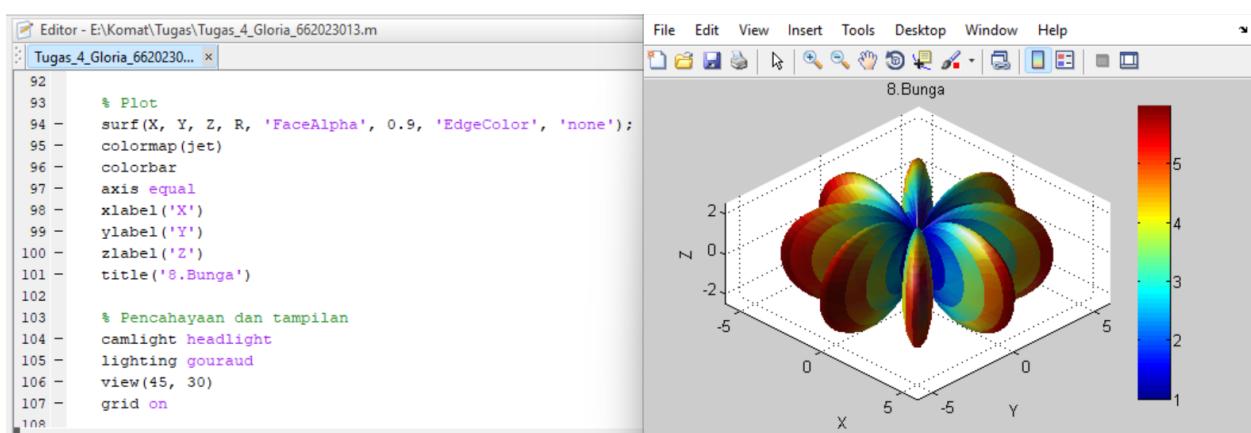
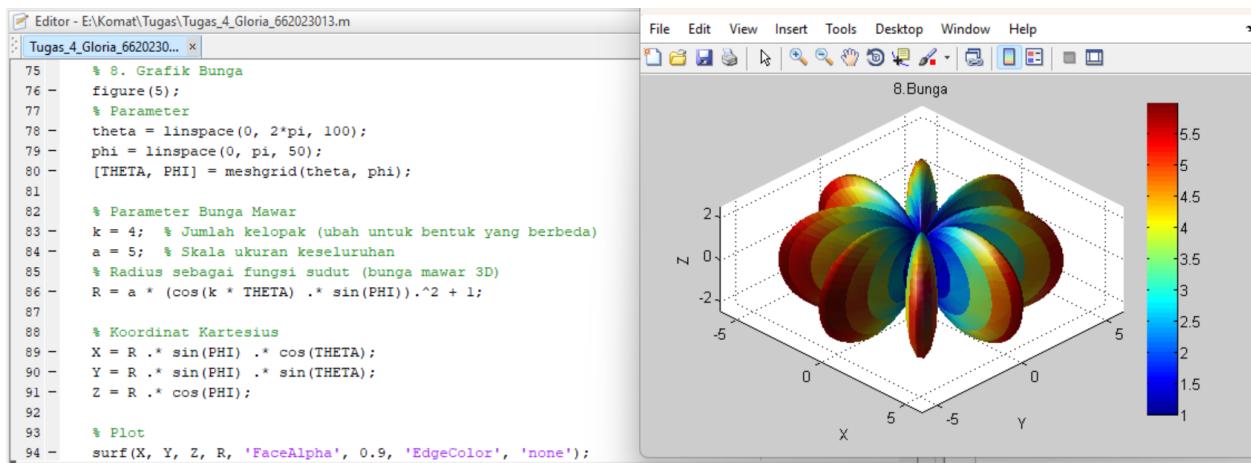
Nim : 662023013

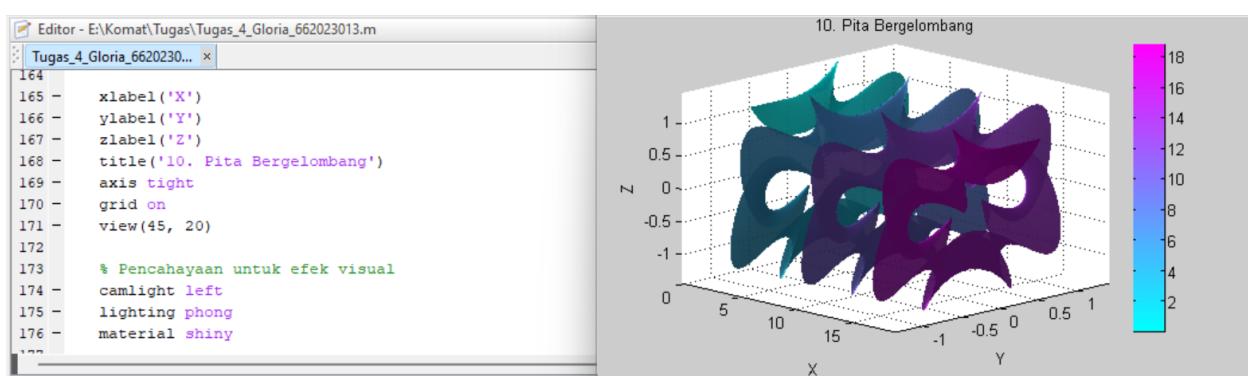
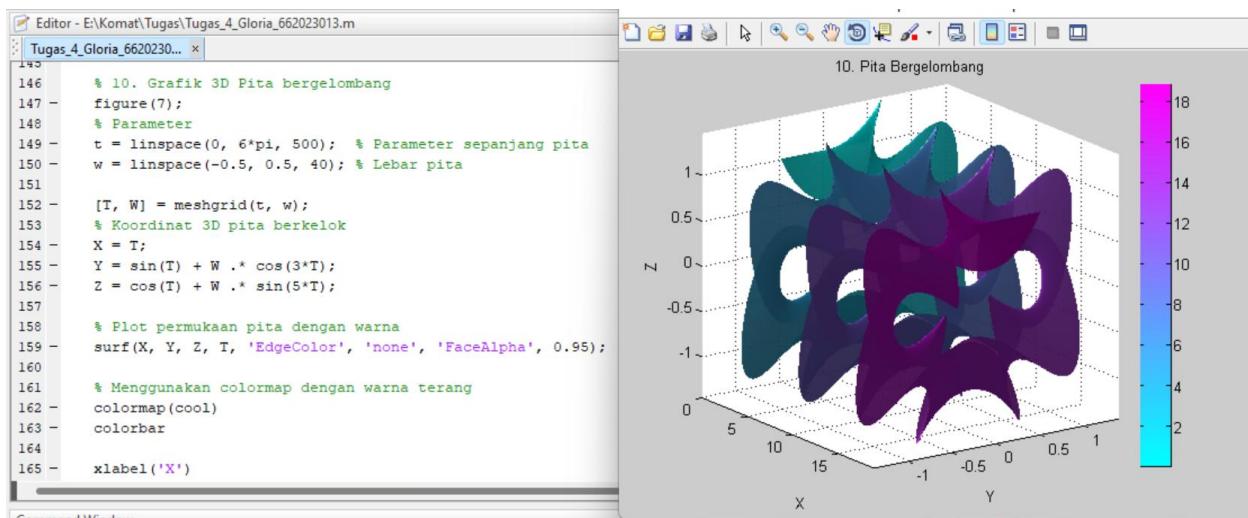
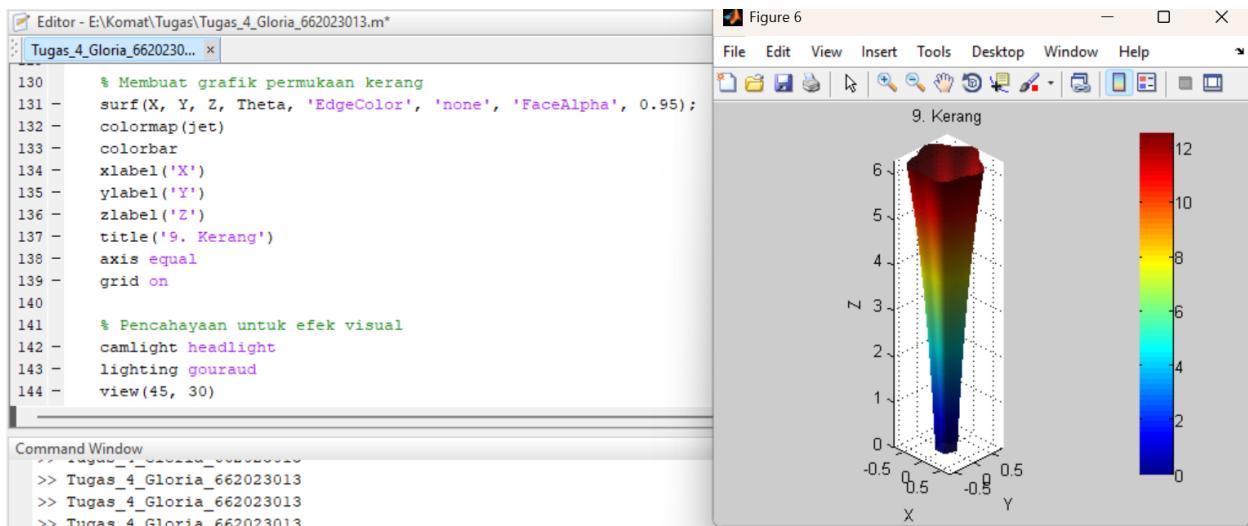
Username Github : GloriaLiwulanga1508

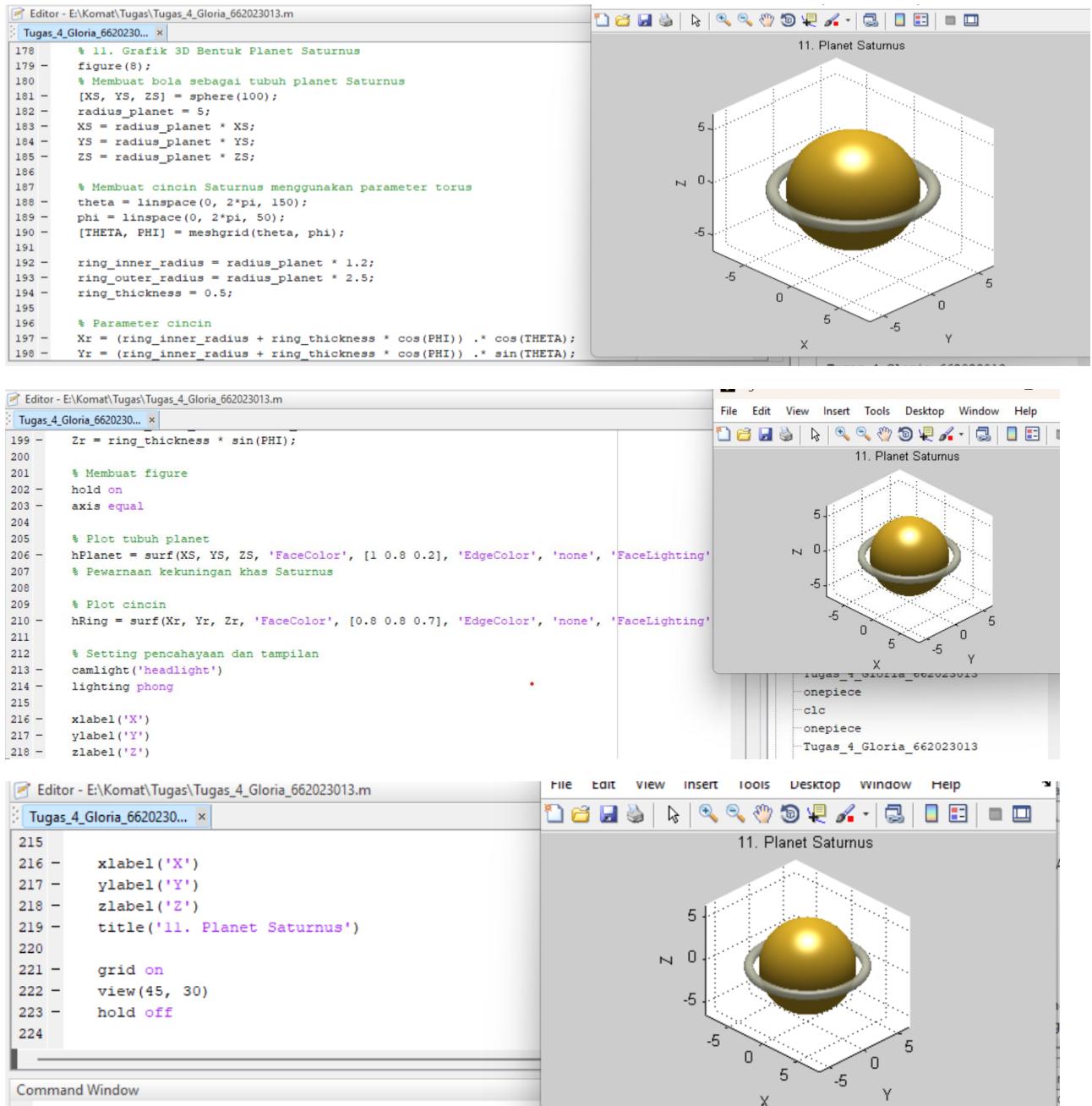


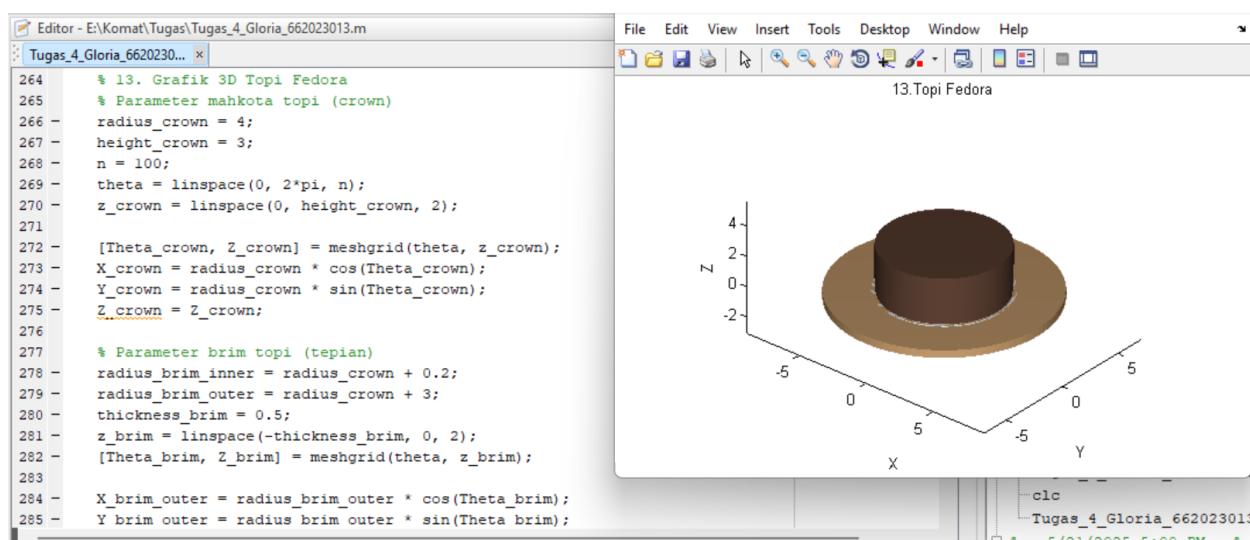
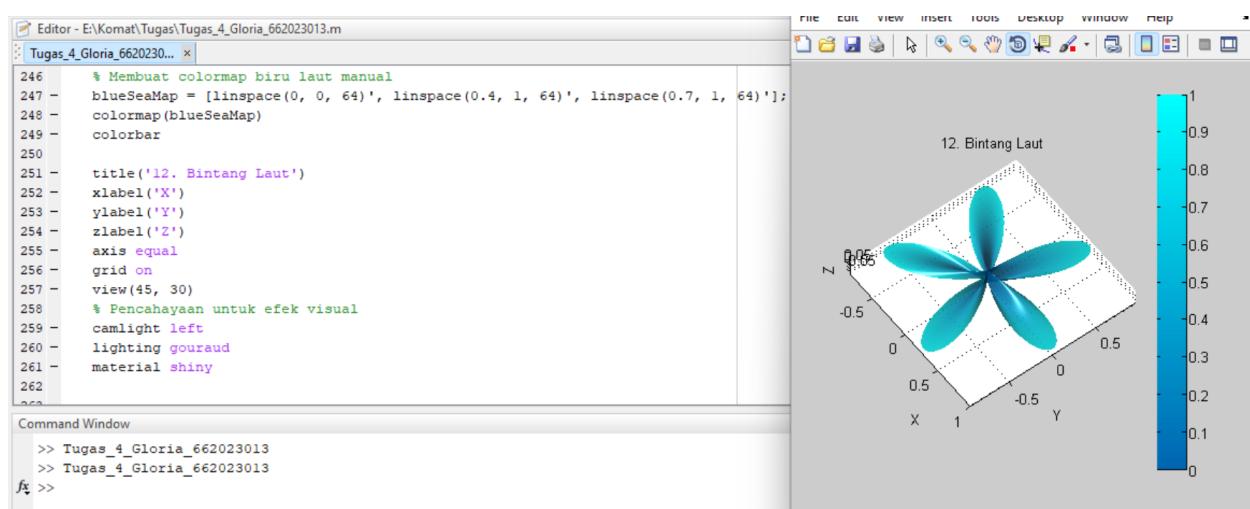
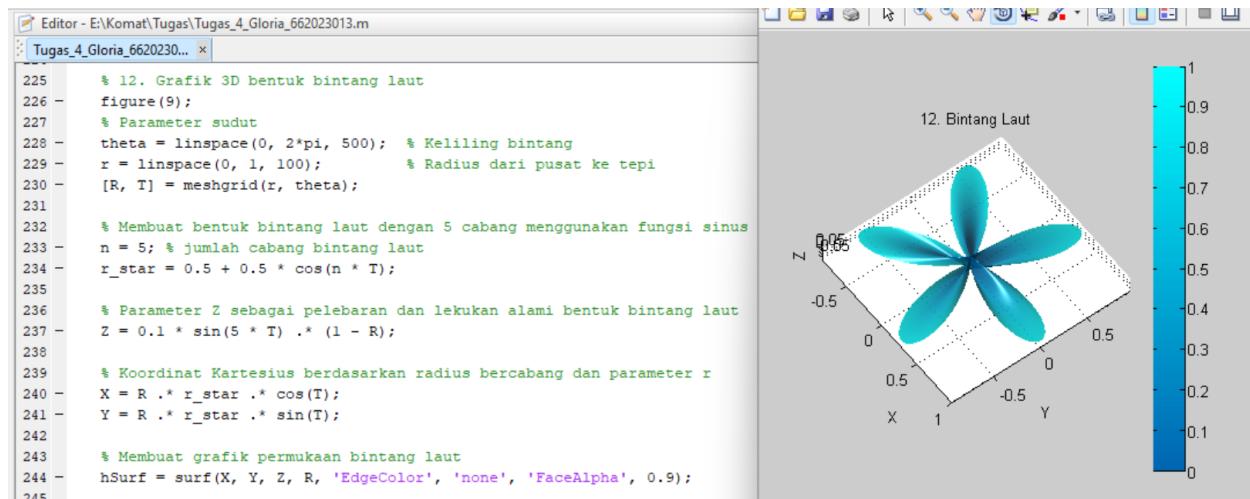












```

Tugas_4_Gloria_6620230... x File Edit View Insert Tools Desktop Window Help
286 - X_brim_inner = radius_brim_inner * cos(Theta_brim);
287 - Y_brim_inner = radius_brim_inner * sin(Theta_brim);
288 - Z_brim = Z_brim;
289
290 % Membuat figur
291 figure('Color', 'w');
292 hold on;
293
294 % Plot mahkota topi
295 surf(X_crown, Y_crown, Z_crown, 'FaceColor', [0.36 0.25 0.20], 'EdgeColor', 'none');
296
297 % Tutup atas mahkota
298 fill3(X_crown(2,:), Y_crown(2,:), Z_crown(2,:), [0.36 0.25 0.20], 'EdgeColor', 'none');
299
300 % Plot brim luar dan dalam
301 surf(X_brim_outer, Y_brim_outer, Z_brim, 'FaceColor', [0.76 0.60 0.42], 'EdgeColor', 'none');
302 surf(X_brim_inner, Y_brim_inner, Z_brim, 'FaceColor', [0.76 0.60 0.42], 'EdgeColor', 'none');
303
304 % Tutup brim atas dan bawah
305 fill3(X_brim_outer(1,:), Y_brim_outer(1,:), Z_brim(1,:), [0.76 0.60 0.42], 'EdgeColor', 'none');
306 fill3(X_brim_outer(2,:), Y_brim_outer(2,:), Z_brim(2,:), [0.76 0.60 0.42], 'EdgeColor', 'none');
307 fill3(X_brim_inner(1,:), Y_brim_inner(1,:), Z_brim(1,:), [1 1 1]*0.9, 'EdgeColor', 'none');

```

```

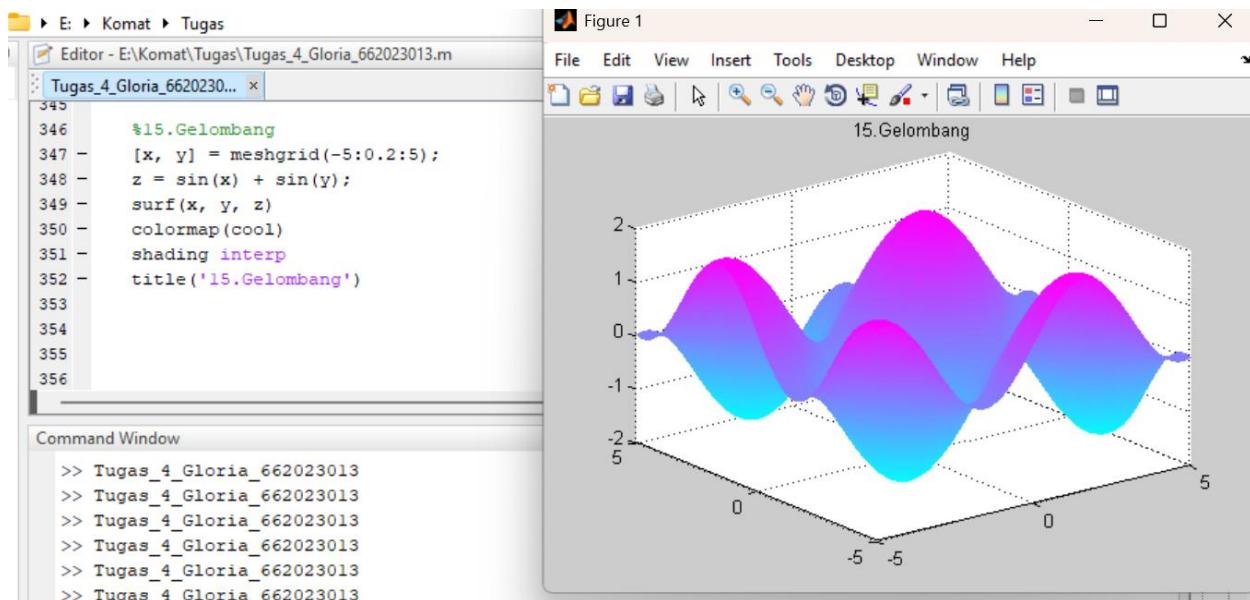
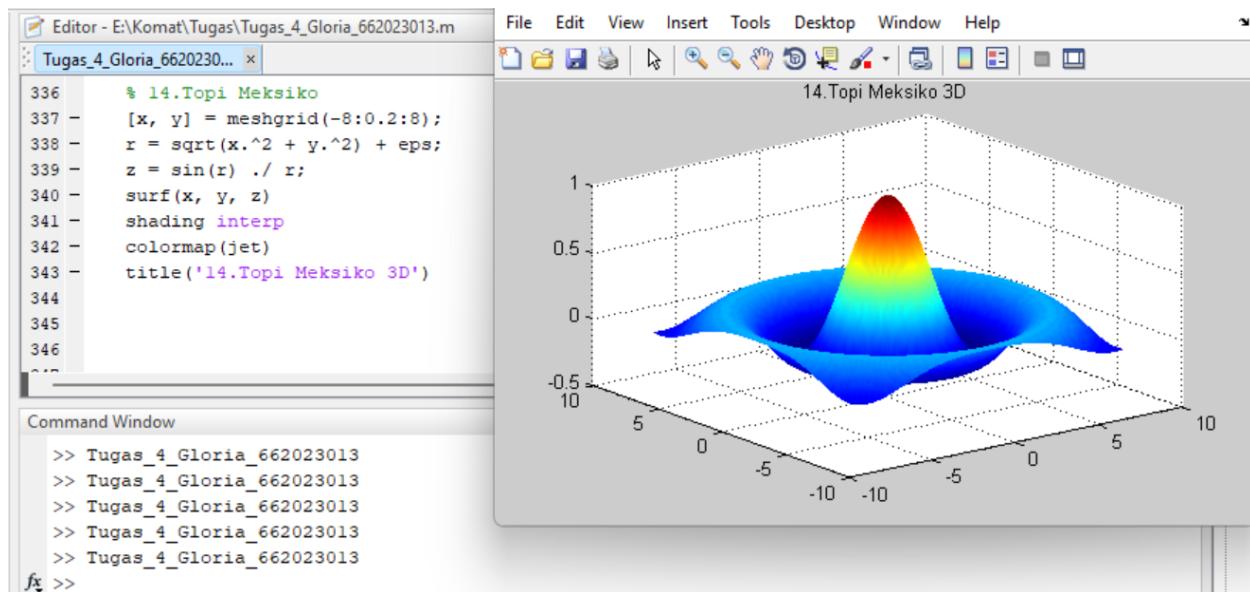
Editor - E:\Komar\Tugas\Tugas_4_Gloria_662023013.m* Figure 1
Tugas_4_Gloria_6620230... x File Edit View Insert Tools Desktop Window Help
307 - fill3(X_brim_inner(1,:), Y_brim_inner(1,:), Z_brim(1,:), [1 1 1]*0.9, 'EdgeColor', 'none');
308 - fill3(X_brim_inner(2,:), Y_brim_inner(2,:), Z_brim(2,:), [1 1 1]*0.9, 'EdgeColor', 'none');
309
310 % Sisi samping brim
311 for i=1:n-1
312 % sisi luar brim
313 fill3([X_brim_outer(1,i) X_brim_outer(1,i+1) X_brim_outer(2,i+1) X_brim_outer(2,i) ...
314 [Y_brim_outer(1,i) Y_brim_outer(1,i+1) Y_brim_outer(2,i+1) Y_brim_outer(2,i) ...
315 [Z_brim(1) Z_brim(1) Z_brim(2) Z_brim(2)], ...
316 [0.76 0.60 0.42], 'EdgeColor', 'none');
317
318 % sisi dalam brim
319 fill3([X_brim_inner(1,i) X_brim_inner(1,i+1) X_brim_inner(2,i+1) X_brim_inner(2,i) ...
320 [Y_brim_inner(1,i) Y_brim_inner(1,i+1) Y_brim_inner(2,i+1) Y_brim_inner(2,i) ...
321 [Z_brim(1) Z_brim(1) Z_brim(2) Z_brim(2)], ...
322 [0.9 0.9 0.9], 'EdgeColor', 'none');
323 end
324
325 % Pengaturan figure
326 axis equal
327 xlabel('X')
328 ylabel('Y')
329 zlabel('Z')
330 title('13.Topi Fedora')
331 view(40, 30)
332 camlight headlight
333 lighting gouraud
334 material dull
335 hold off

```

```

Editor - E:\Komar\Tugas\Tugas_4_Gloria_662023013.m* Figure 1
Tugas_4_Gloria_6620230... x File Edit View Insert Tools Desktop Window Help
318 % sisi dalam brim
319 fill3([X_brim_inner(1,i) X_brim_inner(1,i+1) X_brim_inner(2,i+1) X_brim_inner(2,i) ...
320 [Y_brim_inner(1,i) Y_brim_inner(1,i+1) Y_brim_inner(2,i+1) Y_brim_inner(2,i) ...
321 [Z_brim(1) Z_brim(1) Z_brim(2) Z_brim(2)], ...
322 [0.9 0.9 0.9], 'EdgeColor', 'none');
323 end
324
325 % Pengaturan figure
326 axis equal
327 xlabel('X')
328 ylabel('Y')
329 zlabel('Z')
330 title('13.Topi Fedora')
331 view(40, 30)
332 camlight headlight
333 lighting gouraud
334 material dull
335 hold off

```



Editor - E:\Komar\Tugas\Tugas_4_Gloria_662023013.m

```

348 % z = sin(x) + sin(y);
349 % surf(x, y, z)
350 % colormap(cool)
351 % shading interp
352 % title('15.Gelombang')
353
354
355 %16.Permukaan rak telur
356 [x, y] = meshgrid(-2*pi:0.2:2*pi);
357 z = sin(x).*sin(y);
358
359 figure('Color','w');
360 surf(x, y, z)
361 shading interp
362
363 % Membuat colormap warna coklat
364 brown_rak_telur = [linspace(0.6,0.9,64)', linspace(0.3,0.5,64)];
365 colormap(brown_rak_telur)
366
367 title('16.Permukaan Rak Telur')
368 axis tight
369 axis equal

```

File Edit View Insert Tools Desktop Window Help

16.Permukaan Rak Telur

Regeneration.m

selection.m

Kalkulus

- Kalkulus_1.m
- Metodebagi2.m
- PosisiPalsu.m
- aljabarmain.m
- bedamaju.m

Praktikum

- Praktikum_1.m
- Praktikum_2.m
- Praktikum_3.m
- Praktikum_4.m
- latihan_plot.m

Tugas

- Tugas_2.m
- Tugas_3_Gloria_6620230...
- Tugas_4_Gloria_6620230...**

21 files changed +388 -17 lines changed

Top Search within code

Tugas/Tugas_4_Gloria_662023013.m

```

...
@@ -0,0 +1,369 @@
1 + % 1. Tabung Bergelombang
2 + [theta, z] = meshgrid(linspace(0, 2*pi, 100), linspace(0, 5, 100));
3 + r = 1 + 0.3*sin(5*theta + 2*z);
4 + x = r .* cos(theta);
5 + y = r .* sin(theta);
6 + surf(x, y, z)
7 + shading interp
8 + colormap(jet)
9 + axis equal
10 + title('1.Tabung Bergelombang')
11 +
12 + % 2. Grafik figure 2
13 + figure(1);
14 + [x,y] = meshgrid(-10:0.1:10);
15 + t = sqrt(x.^2+y.^2);
16 + z =(10*sin(t));
17 + mesh(x,y,z)
18 + title('2. figure(1)')

```

+369 ████