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KELAS : D

TUGAS 3 GRAFIKA KOMPUTER (ALGORITMA PEMBENTUKAN LINGKARAN)

1. Algoritma Bresenham

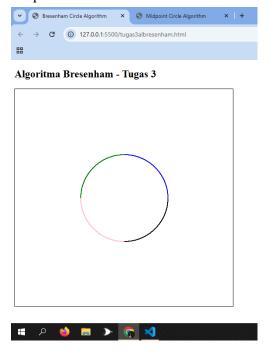
a. Code

```
\leftarrow \rightarrow
    Selection View Go

    tugas2albresenham.html

                                                                                                     F Release Notes: 1.98.0
                                                                                                                                       tugas3albresenham.html X
           ♦ tugas3albresenham.html > ♦ html > ♦ body > ♦ script > ♦ plotGrclePoints
                  «!DOCTYPE html>
am.h.
                    chtml lang="id":
ml
am.h...
                          <meta charset="UTF-8">
nt.html
                          <meta name="viewport" content="width=device-width, initial-scale=1.0">
                         <title>Bresenham Circle Algorithm</title>
                          c/d2>Algoritma Bresenham - Tugas 3//d2>
<canvas id="canvasBresenham" width="500" height="500" style="border: 1px solid □black;"></canvas>
                               function drawPixel(ctx, x, y, color = "black") {
                                     ctx.fillStyle - color;
                                     ctx.fillRect(x, y, 2, 2);
                               function plotCirclePoints(ctx, xc, yc, x, y) {
    const colors = ["black", "pink", "blue", "green"];
    drawPixel(ctx, xc + x, yc + y, colors[0]);
    drawPixel(ctx, xc - x, yc + y, colors[1]);
    drawPixel(ctx, xc - x, yc + y, colors[1]);
                                    drawPixel(ctx, xc + x, yc - y, colors[2]);
drawPixel(ctx, xc - x, yc - y, colors[3]);
drawPixel[ctx, xc + y, yc + x, kolors[0]];
drawPixel(ctx, xc - y, yc + x, colors[1]);
drawPixel(ctx, xc + y, yc - x, colors[2]);
drawPixel(ctx, xc - y, yc - x, colors[3]);
                               function drawBresenhamCircle(canvas, xc, yc, r) {
                                      let ctx = canvas.getContext("2d");
                                      plotCirclePoints(ctx, xc, yc, x, y);
                                          if (d > 0) {
                                                 d = d + (4 * (x - y)) + 18;
                                                 d - d + (4 * x) + 6;
                                           plotCirclePoints(ctx, xc, yc, x, y);
                                const canvasBres = document.getElementById("canvasBresenham");
                                drawBresenhamCircle(canvasBres, canvasBres.width / 2, canvasBres.height / 2, 188);
```

b. Output



2. Algoritma MidPoint

a. Code

b. Output



Algoritma Midpoint - Tugas 3

