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Kelas : C

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MatKul : Grafikom – Tugas Algoritma Lingkaran

Algoritma Pembentukan Garis Bersenham dan Digital Differential Analyzer

A. Kode Html

```
<!DOCTYPE html>
<html lang="id">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Algoritma Lingkaran Bresenham dan MidPoint</title>
</head>
<body>
  <script src="script.js"></script>
</body>
</html>
```

B. Kode JavaScript

```
window.onload = function() {
  let container = document.createElement("div");
  container.style.display = "flex";
  container.style.gap = "20px";
  document.body.appendChild(container);

  function createCanvas(title) {
    let canvasWrapper = document.createElement("div");
    let titleLabel = document.createElement("h4");
    titleLabel.innerText = title;
    let canvas = document.createElement("canvas");
    canvas.width = 250;
    canvas.height = 250;
    canvas.style.background = "#d3d3d3";
    canvasWrapper.appendChild(titleLabel);
    canvasWrapper.appendChild(canvas);
    container.appendChild(canvasWrapper);
    return canvas.getContext("2d");
  }

  // Ket. Nama + NPM
  let info = document.createElement("div");
  info.innerHTML = "<p>Nama: M. Abdul Adhim | NPM: 2217051030</p>";
  document.body.appendChild(info);

  // Ket. Algoritma Bresenham
  let ctxBresenham = createCanvas("Algoritma Bresenham");
  drawCircleBresenham(125, 125, 50, ctxBresenham, "red", "blue");

  // Ket. Algoritma MidPoint
  let ctxMidpoint = createCanvas("Algoritma MidPoint");
  drawCircleMidpoint(125, 125, 50, ctxMidpoint, "green", "purple");
};

function drawPixel(ctx, x, y, color) {
  ctx.fillStyle = color;
  ctx.fillRect(x, y, 1, 1);
}
```

C. Hasil Running Kode Html dan JavaScript

