**Laporan Tugas Pemrograman Dasar - Implementasi User-Defined Functions**

1. Exercise 1 (Palindrome)
   1. Permasalahan

Write a program that uses the function isPalindrome given in Example 6-5 (Palindrome). Test your program on the following strings: "madam", "abba", "22", "67876", "444244", and "trymeuemyrt".

* 1. Penjelasan Kode
  2. Hasil Eksekusi

1. Exercise 8 ()
   1. Permasalahan

The following formula gives the distance between two points, (x1, y1) and (x2, y2) in the Cartesian plane:

Given the center and a point on the circle, you can use this formula to find the radius of the circle. Write a program that prompts the user to enter the center and a point on the circle. The program should then output the circle’s radius, diameter, circumference, and area. Your program must have at least the following functions:

* + 1. distance: This function takes as its parameters four numbers that represent two points in the plane and returns the distance between them.
    2. radius: This function takes as its parameters four numbers that represent the center and a point on the circle, calls the function distance to find the radius of the circle, and returns the circle’s radius.
    3. circumference: This function takes as its parameter a number that represents the radius of the circle and returns the circle’s circumference. (If r is the radius, the circumference is 2pr.)
    4. area: This function takes as its parameter a number that represents the radius of the circle and returns the circle’s area. (If r is the radius, the area is pr 2 .) Assume that p = 3.1416.
  1. Penjelasan Kode
  2. Hasil Eksekusi

1. Exercise 3