

ABSTRACT

The retina is a thin layer of cells located at the back of the eyeball that converts light into nerve signals and has photoreceptor cells (rods and cones). Diabetic Retinopathy is one of the diseases caused by diabetes mellitus that strikes on the part of the retina of the eye causing a disturbance of licking up to blindness. From that question there is a solution that utilizes MATLAB applications and retinal images or images that have been digitized so that the process of making diabetek retinopati disease. It is expected that this system can help people with diabetes in the condition of this disease gets worse so that the patient does not lose sight.

Keywords: retina, diabetic retinopathy, PDR, NPDR.