Total Quality Management (TQM) is an approach that seeks to improve quality and performance which will meet or exceed customer expectations. This can be achieved by integrating all quality-related functions and processes throughout the organizations. Total Quality Management (TQM) is an integrated organizational effort designed to improve quality at every level. In a TQM effort, participation of all members of an organization is very important about sustainability. The term sustainability has become popular in policy-oriented research as an expression of what public policies ought to achieve. According to Brundtland, sustainable development is development that meets the needs of the present without compromising the needs of future generations to meet their own needs. Sustainability management, the ability to direct the course of a company, community, organization, or country in ways that restore and enhance all forms of capital (human, natural, manufactured, and financial) to generate stakeholder value and contribute to the well-being of current and future generations. TQM as a management system could be expanded to include components of sustainability.

The methods for implementing this approach come from the teachings of such quality leaders as Philip B. Crosby, W. Edwards Deming, Armand V. Feigenbaum, Kaoru Ishikawa and Joseph M. Juran. For example W. Edwards Deming in the 1950’s proposed that business processes should be analyzed and measured to identify sources of variations that cause products to deviate from customer requirements. Deming created a (rather oversimplified) diagram to illustrate this continuous process, commonly known as the PDCA cycle for Plan, Do, Check, Act.

In higher education, this study is aimed that offering sustainability of quality education among the most important goals for university strives to achieve. Moreover the purpose of this study is to increase the degree of quality awareness, practice, and appreciation of using PDCA cycle in higher education. As a result, in this study it is mentioned about relationship between sustainability of total quality management in higher education using by PDCA cycle technique.

**Keywords:** Total Quality Management, PDCA Cycle, Sustainability, Sustainability Management, Higher Education