

# Schools' Level of Compliance on Deming's Philosophy in the Division of Quezon: Basis for An Action Plan

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## Abstract

The study investigated the schools' level of compliance on Deming's Philosophy which would arrive at an action plan. Descriptive-comparative method of study was used in comparing the Deming's Fourteen Points. The questionnaire was used as the main data gathering instrument. The study employed 117 public school teachers as respondents. The study made use of stratified sampling in selecting its respondents. Frequency, percentage, weighted mean and ranking were used in the statistical analysis of data. The findings showed that the quality initiatives that implemented in school is Teachers' involvement to improve quality. Moreover, Deming's fourteen points applied to secondary schools in the Division of Quezon were good/adequate. On end the practice of doing business on price tag alone, it exemplified that the school encourages "Brigada Eskwela", Tree Planting Programs, and other outreach programs. In terms of Institute leadership, it is expressed that the school leadership consist of working with teachers, parents, students, and members of the community as coach and mentor. The top most hindering factor is that the school lacks the funds to implement a quality control measure. Furthermore, the level of acceptance of the proposed development program is highly acceptable to the target users. The research implied that it needs to use the Ishikawa diagram in determining the root cause of the problem on the quality of education rendered in the public school system.

**Keywords:** *Action Plan, Deming's Philosophy, School's Level of Compliance, Public School System*

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## **Introduction**

W. Edwards Deming, one of the originators of Total Quality Management (TQM), pioneered some of the world's most useful and innovative strategies for enhancing quality and productivity. Initially ignored by American management, Deming's ideas are currently synonymous with sustained profitability and long-term success in the private and public sector. Furthermore, his uncompromising stance on the key issue of accountability serves as a cornerstone for organizational viability. Similarly, higher education has also been significantly affected by the management revolution taking place in the private and public sector. Evidence of how Deming has influenced the academic world can be found in the push toward greater accountability at all levels of the educational hierarchy. More than just an attempt to ensure consistency within and between similar programs, many of the changes that have occurred within our educational systems over the last couple of decades have been motivated by the desire to maximize the quality potential for both the institution and, ultimately, its graduates

Hence, this study was established to supplant the need for quality programs to be used in the K to 12 curriculum as support for better students' performance. The researcher was prompted to conduct this research to help boost the morale and capabilities of the schools here in the Division of Quezon in committing to produce well-rounded individuals and how these individuals are molded by the schools. This study will make use Deming's Philosophy for 'Quality Improvement Planning and Strategizing to revive the Quality Assurance Model that the schools have in the present. This will measure the "Psychometric Properties" of their "Quality Initiatives" that will sharpen and strengthen the "Quality Process Control."

## **Methodology**

The participants of this study are the 117 public high school teachers in the Division of Quezon. Stratified sampling technique was used in selecting the respondents. The study used the descriptive-comparative method of research wherein it examined the phenomena as compared to the current scenario of the study.

The decision to conduct the study was prompted by the works of total quality management principles and lean six sigma tool. A questionnaire was devised based on the Deming's Fourteen points as used in the schools. After validating and modifying the questionnaire contextualized in the Philippine settings, the devised questionnaire was distributed to the targeted respondents. After which, the questionnaire was retrieved. Tallying and tabulating of the results followed.

Statistical tools were applied such as frequency count, and weighted mean using Microsoft excel Data Analysis Toolpak. Results were presented in tabular form.

## **Findings**

The study revealed that most of the respondents were 21 to 30 years old with the frequency of 54 (46.16%). Also, majority of the respondents were females with the frequency of 92 (78.63%). Furthermore, majority of the respondents were married with the frequency of 64 (54.70%). Additionally, most of the respondents were with Master's Unit with the frequency of 48 (41.03%). Moreover, majority of the respondents were Teacher I with the frequency of 75 (64.10%). Furthermore, schools' level of compliance to Deming's Philosophy applied to secondary schools in the Division of Quezon were high. On ending the practice of doing business on price tag alone, it exemplified that the top indicator saying "the school encourages "Brigada Eskwela", Tree Planting Programs, and other outreach programs" with the weighted mean of 4.48. In terms of Instituting leadership, the top rater is the item expressing that "school leadership consist of working with teachers, parents, students, and members of the community as coach and mentor" with the weighted mean of 4.27. Also, the respondents fairly agreed on the hindering factors in the schools' level of compliance to Deming's Philosophy. Out of ten indicators, the highest rater is the item illustrating that "the school lacks the funds to implement a quality control measure in the schools" with the total response of 3.35. In addition, the action plan provided the actions taken for the assessment and implementation of the Deming's Fourteen Points for Continuous School Improvement Process. And, the level of acceptance of the proposed development program is highly acceptable to the target users. This is evident on the highest indicators stating that "The rational discusses the results of the study to where the development program is based," "The objectives are specific, measurable, attainable, realistic, and time-bound," "The resources needed were identified," "A Gantt Chart for activities in the program were provided," "A matric of action was prepared to immediately act on the matters involved," "An evaluation plan was provided to assess the outcome of the development program," "A monitoring system was established to supervise the development program," and "A proposal matrix or action was also provided for the program" with the same weighted mean of 4.05.

## **Conclusion**

The demographic profile revealed that most of the respondents were 21 to 20 years old, female, married, with Master's Unit, Teacher I, and the quality initiatives that implemented in

school is Teachers' involvement to improve quality. Moreover, schools' level of compliance to Deming's Philosophy applied to secondary schools in the Division of Quezon were high. On ending the practice of doing business on price tag alone, it exemplified that the school encourages "Brigada Eskwela", Tree Planting Programs, and other outreach programs. In terms of Instituting leadership, it is expressed that the school leadership consist of working with teachers, parents, students, and members of the community as coach and mentor. Also, the top three hindering factors in implementing Deming's philosophy are: the school lacks the funds to implement a quality control measure in the schools, there is a lack of facilities and laboratories in the public school systems, and classrooms are not well-ventilated and properly maintained. Moreso, the action plan provided the actions taken for the assessment and implementation of the Deming's Fourteen Points for Continuous School Improvement Process. And, the level of acceptance of the proposed development program is highly acceptable to the target users. This is evident on the highest indicators stating that The rational discusses the results of the study to where the development program is based, The objectives are specific, measurable, attainable, realistic, and time-bound, The resources needed were identified, A Gantt Chart for activities in the program were provided, A matric of action was prepared to immediately act on the matters involved, An evaluation plan was provided to assess the outcome of the development program, A monitoring system was established to supervise the development program, and A proposal matrix or action was also provided for the program.

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