THE PROBLEMS OF QUALITY OF WORKING LIFE MEASURE

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Abstract: The publication discusses issues related to the problems of Quality of Working Life (QWL). QWL is the set of indicators created to measure the quality of the working life. This is not an easy problem to address because different approaches to work exist, from the negative approach, to the approach that concentrates on satisfaction and fulfillment obtained through work. The aim of the paper is to analyze the concept of QWL indicator and present some examples of the sub indicators used in this case.

Keywords: QWL, Quality of Life, Quality of Working Life, indicators, human resource management, CSR, Corporate Social Responsibility.

1. Introduction

The problem of quality of life in the context of work is very important nowadays. Quality of Work Life (QWL) now has become an important tool in the process of management and improvement of employee fulfillment within organizations. Indeed, the issues related to quality of working life have been officially been part of the agenda of European policies beginning with the European Council which take place in March 2000 (in this congress, the Lisbon Strategy was launched).

In literature, we can find different approaches to work. Some authors think that work has a negative impact on life, others thinks that work is an indispensable part of life’s satisfaction and fulfillment. The conception of QWL is also closely-related to Corporate Social Responsibility (CSR). The QWL indicator can be used as a part of the measures used in CSR reporting to help organizations improve their strategies so as to achieve the objectives and targets set out in European Union Directives (Hąbek, and Wolniak, 2013, 2016; Wolniak, and Hąbek, 2016; Wolniak, 2016, 2017; Ponomarenko et al., 2016; Kozubek, 2017; Kuzior, and Knosala, 2015; Męczyńska et al., 2013; Hys, and Wolniak, 2018; Wolniak et al., 2019; Olkiewicz et. al. 2019; Dźwigol-Barosz, and Wolniak, 2018; Wolniak, and Skotnicka-
According to Kriel, QWL strongly depends on workplace justice in general and business ethics in particular. We can say, therefore, that the ethical approach set out in CSR enactment play crucial role in QWL indicators.

By following CSR guidelines, organizations can understand and fulfill the employees’ needs by creating opportunities for work-personal life balance improvement, and by generating quality of working life improvement. The notion of CSR may help to satisfy the needs for security and safety as it holds a strong reputation. Employees and prospective employees may then infer from CSR activity and by the enterprise creating and maintaining high QWL indicator value, that their organization is moral and conclude that is worthwhile investing their efforts into the success of their place of work (Thardsatien, 2019).

2. Quality of Working Life – basic concepts

The history of the QWL method and indicator dates back to the 60-ties of the last century and has been completely described by Martel and Dupuis (Markel, and Dupuis, 2006). Herein, Quality of Work Life is defined as follows:

- QWL is a way of thinking about people, work and organization (Nadler, and Lawler, 1983).
- QWL means something different for each individual, and is likely to vary according to the individual age, career stage, and/or position in the industry (Kiernan, and Knutson, 1990).
- QWL is both a goal and an ongoing process for achieving that goal. As a goal, the QWL is an organizational commitment to improve the quality of work by creating more involving, satisfying, and effective jobs and work environments for people at all levels of the organization. As a process, QWL calls for efforts to realize this goal through the active involvement of people throughout the organization (Carlson, 1980).
- QWL is creating employee satisfaction by providing resources, activities and outcomes stemming from recognition of needs (Sirgy et al., 2001).
- QWL at a given time, corresponds to the condition of an individual in his dynamic pursuit of his hierarchically organized goals within work domains where the reduction of the gap separating the individual from these goals is reflected by a positive impact on the individual’s general quality of life, organizational performance, and consequently, the overall functioning of society (Markel, and Dupuis, 2006).
- QWL – the EU definition relies on a multidimensional approach, including objective characteristics of the job, subjective evaluation of workers, workers’ characteristics, and the match between the worker and the job. Within the framework of the European
Employment Strategy, ten groups of indicators have been defined in monitoring employment quality: health and safety at work; intrinsic job quality; skills; life-long learning and career development; gender equality; health and safety at work; flexibility and security; inclusion and access to the labor market; work organization and work-life balance; social dialogue and worker involvement; diversity and non-discrimination; overall economic performance and productivity.

There is a huge set of QWL characteristics and it is not easy to describe them all. According to Sojka (2014), by means of QWL indicators we could measure such problems as:

- The degree to which managers and line chiefs treat the people working for them with respect and have confidence in their ability.
- Variety of the daily work.
- Challenge of work.
- Equitable promotions.
- Extent to which life outside work affects life at work.
- Self-esteem.

In Figure 1, we give a conceptual model of sustainable development in the concept of working life. In essence, this model points to the fact that when speaking about quality of working life, it is not possible to ignore either the subjective or objective element of quality because they are both essential to the all-embracing perception of this conception. According to this model, the indicators of the objective quality of life are the individual assessment elements of the wholeness of the environmental and economic situation; whereas the subjective component should be related to individual social values (Ruževičius, 2007).

![Figure 1. Conceptual model of sustainable development in the context of quality of working life. Source: (Ruževičius, 2007).](image-url)
3. Quality of Working Life – indicators

Yadaw and Khanna undertook a very interesting and broad meta-analysis about the quality of working life. Therein, they compared 26 papers about this topic to find the variables used in various QWL models. The findings of their paper (Table 1) show that there are some drivers that have been used more frequently in the literature than were other drivers. Commitment, employees’ relationship, cohesiveness were the most frequent drivers used in the literature that deals with establishing a positive relationship via the application of quality of work life standards. Herein, 8 out of 25 literature studies cited that commitment, relationship, cohesiveness are effective drivers of QWL, while proper and quality supervision, pay and benefits increase the organizational commitment of employees and improve QWL. Furthermore, 5 out of 25 literature studies said pay and benefits, supervision gave a positive relationship with the QWL, but participation management sometimes generated positive as well as negative QWL relationships. In addition, 6 out 25 submitted papers held that there was no relationship between gender and QWL, while age affected the QWL according to 4 out of 25 studies in the field. Perception, too, plays a vital role in QWL and sometimes it gives a positive as well as a negative relation with QWL. What is more, 4 out of 25 literature studies reveal positive relationships with QWL and 2 out of 25 submissions show a negative relationship with QWL. The other important factor which affects QWL is work experience (Yadaw, and Khanna, 2014).

We can also divide QWL indicators into three groups (Sjojka, 2014):

- primary characteristics,
- secondary characteristics,
- tertiary characteristics.

Primary characteristics are directly connected with, and specific to the working place. They are the following: financial reward, working load, content of work, working conditions, social conditions and work position and potential for career development. Secondary characteristics are usually common for all workplaces in any organization. These include: workplace localization – or the cost to go to and from work and the act of doing so. If it is excessive or too stressful, then QWL is diminished. Tertiary characteristics are characteristics going beyond the organization (Sjojka, 2014). These include corporate culture and degree of workplace autonomy.

The developed list of quality of life main indicators was summed up in the Table 2. This table can be a basis for further development of particular indicators for the specific industry – for example, the mining industry. There are few recognized measures of quality of working life, and of those that exist, few have evidence of validity and reliability, although the Brief Index of Affective Job Satisfaction has been systematically developed to be reliable and is rigorously psychometrically validated (Edmund, and Florence, 2012).
Table 1.
Variables used to measure quality of working life

| Least variable used                                      | Average variable used                                      | Extremely highly used                      |
|---------------------------------------------------------|------------------------------------------------------------|--------------------------------------------|
| • Delegation of authority                              | • Social integration                                       | • Job satisfaction                         |
| • Training and development                             | • Employee participation                                   | • Pay and benefits                         |
| • Equal job opportunities                              | • Rewards                                                  | • Organisation commitment                 |
| • Financial ratio (current ratio, return on assets, return on capital employed etc.) | • Welfare and opportunities                                | Safety and healthy environment             |
| • Organization citizenship behaviour                    | • Autonomy                                                 | • Growth and development                   |
|                                                         | • Team work                                                | • Supervision                              |
|                                                         | • Work life balance and relationship                       | • Demographic factor                       |
|                                                         | • Attitude and perception                                  |                                             |

Source: (Yadaw, and Khanna, 2014).

Table 2.
Main quality of working life indicators

| Area                                      | Main indicators                                                                 |
|-------------------------------------------|---------------------------------------------------------------------------------|
| Work load                                 | • physical load,                                                                 |
|                                           | • mental load,                                                                  |
|                                           | • time load                                                                     |
| Content of work                           | • autonomy,                                                                     |
|                                           | • variety of task,                                                             |
|                                           | • feed back,                                                                    |
|                                           | • meaningful work                                                              |
| Working condition                         | • physical conditions,                                                         |
|                                           | • safety of work                                                               |
| Work position a potential for career development | • work position,                                                               |
|                                           | • potential of new higher positions,                                           |
|                                           | • possibility for learning                                                     |
| Corporate culture                         | • tangible and intangible aspects of corporate culture,                        |
|                                           | • leaders style,                                                                |
|                                           | • communication                                                                |

Source: own work on basis: (Sojka, 2014).

Another possible QWL indicator is that of the dimensions of the quality of working life (Table 3).

Table 3.
Examples of dimensions of the quality of work and their indicators

| Dimension                  | Indicator                                                                 |
|----------------------------|--------------------------------------------------------------------------|
| Job context                | I might lose my job in the next 6 months (Agree) (%)                     |
| Working time               | How many hours do you usually work per week in your main paid job? (less than 30) (%) |
| Working time               | How many hours do you usually work per week in your main paid job? (more than 40) (%) |
| Working time               | How many times a month do you work in the evening, for at least 2 hours between 6.00 pm and 10.00 pm? (once or more) (%) |
| Working time               | Normally, how many times a month do you work at night, for at least 2 hours between 10.00 pm and 05.00 am? (once or more) (%) |
| Working time               | How many times a month do you work in the weekend? (index) (once or more) (%) |
| Work intensity             | Job involves working to tight deadlines (At least a quarter of the time) (%) |
| Health and well-being      | Do you think your health or safety is at risk because of your work? (yes) (%) |
| Career prospects           | My job offers good prospects for career advancement (agree) (%)            |
Cont. table 3.

| Job fulfllment                  | Very satisfied or satisfied with working conditions in your main paid job? (%) |
|---------------------------------|-----------------------------------------------------------------------------|
| Job fulfilment                  | I am well paid for the work I do (agree) (%)                              |
| Work-life balance               | In general, working hours fit in with family or social commitments outside work very well or well (%) |

Source: (Ionescu, and Cuza, 2013).

Summing up, according to its broad definition as pointed out by Sojka (2014), to evaluate the QWL level, it is necessary to:

- determine the object for which we want to define the quality,
- assess the characteristics of work life,
- ascertain the level of needs (standard, etalon) which must be fulfilled within the organization with regard to the concrete work place,
- propose the mathematic model on the base of which the quality level will be calculated.

4. Conclusion

The problem of Quality of Working Life and its measure is very important nowadays. In utilizing this indicator we can measure the employee attitude towards their jobs and the level of fulfillment they find in completing them. The QWL indicators can be also use in CSR reporting to show the company’s commitment towards people and the possibility for looking there for good job opportunities – but only if the QWL indicators are satisfactory. Because of that it is very important to research the measure of QWL indicator results in many companies and industries prior to seeking employment therein. Using this indicator we can easy compare not only particular organizations but also sectors, countries, and so on. Hence it can be a tool for governmental or pan governmental social engineering.

References

1. Abdeen, T. (2002). Company performance: does quality of work life really matter? *Management Research News, 25*, 8-10.
2. Abu Taher, M. (2013). Variations of quality of work life of academic professionals in Bangladesh: A discriminant analysis, *European Journal of Training and Development, 37*(6), 580-595.
3. Adhikari, D.R., Gautam, D.K. (2010). Labor legislations for improving quality of work life in Nepal, *International Journal of Law and Management, 52*(1), 40-53.
4. Adreine, E., & Aeon, M.E. (1992). The impact of Quality of work Life Programs and grievances system effectiveness on union commitment. *Industrial and labour relation review, 45*(3).

5. Akdere, M. (2006). Improving quality of work-life: Implications for human resources. *The Business Review, 6*(1), 173-177.

6. Aloys, N.K. (2013). Working Environment Factors that Affect QWL among Attendants in Petrol Stations in Kitale Town in Kenya. *International Journal of Academic Research in Business and Social Sciences, 3*(5), 289-296.

7. Amin, Z. (2013). A study on the Quality of Work Life in Indonesian Public Service Organizations to predict the role of Career Development and Personal Factor, *International Journal of Applied Psychology, 3*(3), 38-44.

8. Carlson, H.C. (1980). Model of quality of work life as developmental process. In: W.W. Burke, L.D. Goldstein (Eds.), *Trends and issues in OD. Current theory and Practice* (pp. 83-123). San Diego: University Associates.

9. Chan, K.W., & Wyatt, T.A. (2007). Quality of Work Life: A Study of Employees in Shanghai, China. *Asia Pacific Business Review, 13*(4), 501-517.

10. Chandranshu, S. (2012). Factors affecting Quality of work life. *Australian Journal of Business and Management Research, 1*(11), 31-40.

11. Chandranshu, S. (2012). Factors affecting quality of work life: Empirical Evidence From Indian Organizations. *Australian Journal of Business and Management Research, 1*(11), 31-40.

12. Dźwigoł-Barosz, M., & Wolniak, R. (2018). Znaczenie kompetencji współczesnej kadry kierowniczej w branży chemicznej. *Przemysł Chemiczny, 12*, 2061-2063.

13. Edmund, R.T., & Florence, T.T.P. (2012). A Brief Index of Affective Job Satisfaction. *Group & Organization Management, 37* (3), 275-307.

14. Elise, R. (2009). Promoting performance and the quality of working life simultaneously. *International Journal of Productivity and Performance Management, 58*(5), 423-436.

15. Hąbek, P., & Wolniak, R. (2013). Analysis of approaches to CSR reporting in selected European Union countries. *International Journal of Economics and Research, 4*(6), 79-95.

16. Hąbek, P., & Wolniak, R. (2016). Assessing the quality of corporate social responsibility reports: the case of reporting practices in selected European Union member states. *Quality & Quantity, 50*(1), 339-420.

17. Hąbek, P., & Wolniak, R. (2016). Factors influencing the development of CSR reporting practices: experts' versus preparers' points of view. *Engineering Economy, 26*(5), 560-570.

18. Hąbek, P., & Wolniak, R. (2016). Relationship between management practices and quality of CSR reports. *Procedia – Social and Behavioral Sciences, 220*, 115-123.

19. Hys, K., & Wolniak, R. (2018). Praktyki przedsiębiorstw przemysłu chemicznego w Polsce w zakresie CSR. *Przemysł Chemiczny, 9*, 1000-1002.
20. Ionescu, A.M., Cuza, A.I. (2013). Indicators of quality of work as predictors of quality of life. *Review of Applied Socio- Economic Research, 5*(1), 92-102.

21. Jacobs, D. (2006). *Experience of work-life interaction in the mining industry: A phenomenological study.* USA: North-West University.

22. Janet, A.B., Parbudyal, S., Ronald, B. (2017). Work intensity, emotional exhaustion and life satisfaction: The moderating role of psychological detachment. *Personnel Review, 46*(5), 891-907.

23. Joniek-Kowalska, I. (2014). Risk management in the hard coal mining industry: social and environmental aspects of collieries' liquidation. *Resources Policy, 41*, 124-134.

24. Joniek-Kowalska, I. (2017). Corporate Social Responsibility a restrukturyzacja naprawcza przedsiębiorstw górniczych w Polsce. In: A. Kuzior (ed.), *Wokół podstawowych zagadnień współczesności* (pp. 29-36). Zabrze: Śląskie Centrum Etyki Biznesu i Zrównoważonego Rozwoju.

25. Kajzar, P., Kozubkova, M. (2007). *Quality of work life and job satisfaction. Life quality conditions in societies basing on information: proceedings*, Conference: 17th Toulon-Verona International Conference Liverpool John Moores University Excellence in Services 335 Liverpool (England) Conference Proceedings ISBN 978889043274, Liverpool, Vol. II, 289-295.

26. Kiernan, W.E., Knutson, R. (1990). Quality of work life. In: R.L. Schalock, M.J. Begab, (Eds), *Quality of life: Perspectives and issues. American Association of mental Retardation.* Washington: Springer.

27. Kozubek, R. (2017). CSR in the extractive industry – theoretical assumptions and best practices. *Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacji i Zarządzanie, 111*, 309-320.

28. Kuzior, A., Knosala, B. (2015). Changes in perception and implementation of CSR in the Polish enterprises. *Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacji i Zarządzanie, 81*, 119-129.

29. Land, K.C., Michalos, A.C., Sirgy, J. *Handbook of Social Indicators and Quality of Life Research*, Washington: Springer.

30. Markel, J.O., Dupuis, G. (2006). Quality of work life: Theoretical and methological problems, and presentation of new model and measuring instrument. *Social indicator Research, 77*, 333-368.

31. Męczyńska, A., Kmieciak, R., Michna, A., Flajszok, I. (2013). A decision support method for poorly structured problems in school management. *Baltic Journal of Management, 9*(1), 91-112.

32. Michalos, A.C., Sirgy, J. (Ed). *Handbook of Social Indicators and Quality of Life Research*, Washington: Springer.

33. Mohit, Y., Mohammad, F.N. (2017). Searching for quality in the Quality of work life: an Indian power sector perspective. *Industrial and Commercial Training, 49*(4), 164-174.
34. Nadler, D.A., Lawler, E.E. (1983). Quality of Work Life. Perceptions and Directions Organizational Dynamics, 11(3).
35. Nitesh, S., Devendra, S.V. (2013). Importance of quality of work life in small scale industries for employees. International Journal of Latest Research in Science and Technology, 2(2).
36. Olkiewicz, M., Wolniak, R., Grebski, E.M., Olkiewicz, A. (2019). Comparative analysis of the impact of the business incubator center on the economic sustainable development of regions in USA and Poland. Sustainability, 1(173), 1-22.
37. Ponomarenko, T.V., Wolniak, R., Marinina, O.A. (2016). Corporate Social responsibility in coal industry (Practices of russian and european companies). Journal of Mining Institute, 222, 882-891.
38. Ruževičius, J. (2007). Quality of Life and of Working Life: Conceptions and research. Engineering Economics, 2, 43-48.
39. Sandhyanair, G.S. (2013). A study on the effect of quality of work life on organisational citizenship behaviour – with special reference to college teachers is thrisur district, Kerala. Journal of basic and applied scientific research, 2(9).
40. Sirgy, M.J.D., Efraty, P., Siegel, P., Dong-Jing, L. (2001). A new measure of quality of work life (QWL) based on satisfaction and spillover theories. Social Indicator Research, 55, 241-302.
41. Sojka, L. (2014). Specification of the Quality of Work Life Characteristics in the Slovak Economic Environment. Sociologia, 3, 283-299.
42. Stakeholder Consultation Paper: Potential Healthy and Safe Workplace Indicators for Ontario’s Health Care System (2013). Ontario, https://www.google.pl/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&cad=rja&uact=8&ved=0ahUKEwiopaXGrbzXGrbzXAhXJqKQKHeKhALgQFghFMAM&url=http%3A%2F%2Fwww.healthyworkenvironments.ca%2F_l iterature_163919%2FStakeholders_Consultation_Paper&usg=AOvVaw2rr91NoG8TVHp cyzZlv7gl, 18.11.2019.
43. Tanaya, N., Chandan, K.S., Prabodh, K.M., Bijaya, K.S. (2016). HR interventions and quality of work life of healthcare employees: an investigation. Industrial and Commercial Training, 48(5), 234-244.
44. Thardsatien, K. (2015). Corporate social responsibility, quality of work life, and job-related outcomes: A study of a specialized financial institution in Thailand, https://www.google.pl/ url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0ahUKEwjbl6fu2dzXAhVNVKVA KHWOBD64QFgg1MAE&url=http%3A%2F%2Fwww.hrd.nida.ac.th%2Fth%2Fhrdomd2015%2 FUuploadFile%2Fdatachange%2Fdatachange16_2015-09-10.pdf&usg=AOvVaw29Rz5 TxgkvztqStjyOYbjR, 18.11.2019.
45. Wolniak, R., Grebski, M.E., Skotnicka-Zasadzień, B. (2019). Comparative analysis of the level of satisfaction with the services received at the business incubators (Hazleton, PA, USA and Gliwice, Poland). Sustainability, 10, 2889, 1-22.
46. Wolniak, R. (2016). Relations between corporate social responsibility reporting and the concept of greenwashing. Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacji i Zarządzanie, 87, 443-453.

47. Wolniak, R. (2016). The relations between uncertainly avoidance and the concept of corporate social responsibility. Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacji i Zarządzanie, 91, 291-307.

48. Wolniak, R. (2017). Problematyka greenwashingu w aspekcie przemysłu 4.0, konferencja Rybnik. In: A. Kuzior (ed.), Rozważania różnorodne. Zabrze: Śląskie Centrum Etyki Biznesu i Zrównoważonego Rozwoju, 83-93.

49. Wolniak, R. (2017). The Corporate Social Responsibility practices in mining sector in Spain and in Poland – similarities and differences. Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacja i Zarządzanie, 111, 111-120.

50. Wolniak, R., Grebski, M.E. (2018). Innovativeness and creativity as factors in workforce development – perspective of psychology. Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacja i Zarządzanie, 116, 203-214.

51. Wolniak, R., Grebski, M.E. (2018). Innovativeness and creativity as nature and nurture. Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacja i Zarządzanie, 116, 215-226.

52. Wolniak, R., Grebski, M.E. (2018). Innovativeness and Creativity of the Workforce as Factors Stimulating Economic Growth in Modern Economies. Zeszyty Naukowe Politechniki Śląskiej. Seria Organizacja i Zarządzanie, 116, 227-240.

53. Wolniak, R., Hąbek, P. (2016). Quality assessment of CSR reports – factor analysis. Procedia – Social and Behavioral Sciences, 220, 541-547.

54. Wolniak, R., Skotnicka-Zasadzień, B. (2018). Developing a model of factors influencing the quality of service for disabled customers in the conditions of sustainable development, illustrated by an example of the Silesian Voivodeship public administration. Sustainability, 7, 1-17.

55. Yadaw, R., Khanna, A. (2014). Literature Review on Quality of Work Life and Their Dimensions. Journal of Humanities and Social Science, 19(9), 71-80.