## KOÇ UNIVERSITY-TÜSİAD ECONOMIC RESEARCH FORUM WORKING PAPER SERIES

# UNEMPLOYMENT INVARIANCE HYPOTHESIS, ADDED AND DISCOURAGED WORKER EFFECTS IN CANADA?

Aysit Tansel Zeynel Abidin Özdemir

Working Paper 1608 December 2017

This Working Paper is issued under the supervision of the ERF Directorate. Any opinions expressed here are those of the author(s) and not those of the Koç University-TÜSİAD Economic Research Forum. It is circulated for discussion and comment purposes and has not been subject to review by referees.

# **Unemployment Invariance Hypothesis, Added and Discouraged Worker Effects in Canada?**

### **Aysit Tansel**

Department of Economics, Middle East Technical University, 06800, Ankara, Turkey.

Institute for Study of Labor (IZA), Bonn, Germany
Economic Research Form (ERF), Cairo, Egypt
e-mail: atansel@metu.edu.tr, Phone: +(90) 312 210 20 73

#### Zevnel Abidin Ozdemir

Department of Economics, Gazi University, Besevler, 06500, Ankara, Turkey Economic Research Form (ERF), Cairo, Egypt e-mail: <a href="mailto:zabidin@gazi.edu.tr">zabidin@gazi.edu.tr</a>, Phone: +(90) 312 212 11 15

December 23, 2017

#### **Abstract**

This article explores the long-run relationship between unemployment rate and labor force participation rate for men and women in Canada. The co-integration analysis vindicates the existence of a long-run relationship between these two variables. This finding leads us to doubt the pertinence of the unemployment invariance hypothesis for Canada. This is consistent with the empirical studies for Japan, Sweden and the United States, but contradicts the empirical studies for Australia, Romania and Turkey. Further, we find discouraged worker effect for women and added worker effect for men and we elaborate on the possible explanations for this seemingly contradictory finding.

KEYWORDS: Unemployment Invariance; Unemployment; Labor Force Participation; Discouraged Worker Effect; Added Worker Effect; Co-integration; Canada JEL CLASSIFICATION: E24; J21; J64;

Aysit, Tansel and Zeynel Abidin Ozdemir (2018). Unemployment Invariance Hypothesis, Added and Discouraged Worker Effects in Canada, International Journal of Manpower, Volume: 39(7) forthcoming. DOI: 10.1108/IJM-04-2017-0059.