



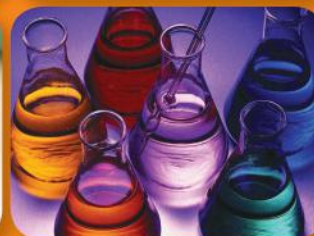
# 24<sup>th</sup> FAPA CONGRESS 2012

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## ABSTRACT BOOK



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**2012**



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## **POCKET BOOK AS AN EDUCATIONAL METHOD TO IMPROVE PATIENT'S KNOWLEDGE AND ADHERENCE TO RATIONAL ANTIBIOTIC USE: A RANDOMIZED CONTROLLED TRIAL IN SURABAYA**

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**Background:** Irrational use of antibiotics has caused bacterial resistances. The lack of understanding of antibiotic use contributes to this phenomenon. Based on survey results in Surabaya, the level of bacterial resistance to antibiotics was high due to lack of understanding of education from health care providers in a time constrained context. We tested the effectiveness of pocket book to provide a new way of education that is more informative and easily understood by patients.

**Methods:** We conducted a Randomized Controlled Trials in 200 patients who got antibiotics prescription in a community pharmacy. The intervention group received a pocket book summarizing the information of rational antibiotic use plus a standard education about antibiotic use given by pharmacist, while the control group received only the standard education. A validated questionnaire was used to test patient's knowledge and adherence. Intention to treat analysis was used to measure the outcome.

**Results:** The baseline characteristics and the pre-test showed that the groups are comparable. There is no significant difference between the intervention and the control in level of knowledge pre-test ( $10.78 \pm 2.647$ ,  $p = 0.345$ ), but there are significant difference in the level of knowledge post-test ( $11.72 \pm 2.362$ ,  $p = 0.02$ ) and the level of adherence ( $2.36 \pm 1.021$ ,  $p = 0,011$ ). The difference of level of knowledge between intervention and control group is clearly seen at their percentage of right answers from each question.

**Conclusion:** This education method with pocket book has significant influence on the knowledge and adherence of patients to rational antibiotic use.

**Keywords :** pocket book, antibiotics use, knowledge, adherence, Randomized Controlled Trial