

## REFERENCES

- Adham MA., Hamad BA. 2011. Drug dispensing systems in Gaza hospitals: a comparative study. *Eastern Mediterranean Health Journal.* 17(10): 722-729.
- AHRQ. 2011. Patient Safety Tools: Improving Safety at the Point of Care. Rockville: MD.
- Ambre J., Guard R., Perveiler FM., Renner J., Rippen H. 1997. White paper: criteria for assessing the quality of health information on the internet. [Online]. Available [http://www.mlanet.org/tech\\_is/meb/criteria.pdf](http://www.mlanet.org/tech_is/meb/criteria.pdf) (7 June 2011).
- Andres JL., Gomez CG., Sansalvador MH., Walsh AV. 2003. Implement of Automated Drug Dispensing System in Intensive Care Units and Accident and Emergency Departments. *European Pharmacotherapy.* Pharmacy Department, Albacete General Teaching Hospital.
- Anon. 1998. Developing essential drugs policies: a guide for NGOs. Amsterdam: Health Action International (HAI)-Europe in collaboration with an international NGO working group.
- Arshad A., Riasat M., Mahmood KT. 2011. Drug Storage Conditions in Different Hospitals in Lahore. *Journal of Pharmaceutical Science and Technology.* 3(1): 543-547.
- Aunsanun M. 1999. Evaluation of the Measures in Drug Management System Reform in the Hospitals under the Provincial Hospitals Division, Ministry of Public Health. M.S. Thesis, Master of Science in Pharmacy, Chulalongkorn University.
- Bloder G., Ammenwerth E. 2009. Key Performance Indicators to Benchmark Hospital Information System - A Delphi study. *Methods Inf Med.* 48: 508-518.
- Bortz J., Doring N. 2002. Method und Evaluation. 3<sup>rd</sup> ed. Berlin, Springer.
- Brooks K. 1979. Delphi technique: Expanding applications. *North Central Association Quarterly.* 54 (3): 377-385.

- Buck A., Gross M., Hakim S., Weinblatt J. 1993. Using the Delphi process to analyse social policy implementation: a post hoc case from vocational rehabilitation. *Policy Sciences*. 26: 271-288.
- Bureau of Health Administration, MOPH. 2011. Self Assessment Tool of Drug Safety Standard 2011. MOPH: Nonthaburi, Thailand.
- Bureau of Inspection and Evaluation, MOPH. 2009. Report of drug management 2009. MOPH: Nontaburi, Thailand.
- Bureau of Inspection and Evaluation, MOPH. 2010. An Inspection and Evaluation Manual of drug management 2010. MOPH: Nontaburi, Thailand.
- Bureau of Policy and Strategy, the Ministry of Public Health. 2002-2008. National Health Accounts of Thailand 2002 – 2008. MOPH: Nontaburi, Thailand.
- Campbell S., Sweeney G. 2002. Defining, measuring, and assessing quality of care in general practice. PhD's thesis. University of Manchester, Manchester.
- Center for Advanced Purchasing Studies. 1999. A Multi-Country Study of Strategic Topics in Purchasing and Supply Management. [Online]. Available [http://www.chinaplus3.pitt.edu/pdf/MultiCountry\\_Study\\_Strategies.pdf](http://www.chinaplus3.pitt.edu/pdf/MultiCountry_Study_Strategies.pdf) (7 June 2011)
- Chawla AJ., Hatzmann MR., Long SR. 2001. Developing performance measures for prescription drug management. *Health Care Financing Review*. 22(3): 71-84.
- Choudhury A. 2009. Statistic Correlation. [online]. Available <http://ga-correlations.com/> (5 January 2011).
- Christina E. 2004. A baseline study of medication error rates at Baylor University Medical Center in preparation for implementation of a computerized physician order entry system. Baylor Information Services, Baylor Health Care System.
- CIHI. 2002. Development of drug utilization indicators: A Feasibility Study Using Existing Aggregated Administrative Databases (pp. 9-24). Ottawa: Ontario Canada.
- Clark LA., Watson D. 1995. Constructing validity: Basic issues in objective scale development. *Psychological Assessment*. 7: 309–319.

- CSHSH. 1994. Manual of indicators to measure the effect of initiatives under quality use of medicines arm of the national medical drug policy. Canberra, Australia: Australian Government Publishing Service.
- Custer R., Scarella J., Stewart B. 1999. The modified Delphi technique: A rotational modification. *Journal of Vocational and Technical Education*. 15(2): 1-10.
- Cyphert F., Gant W. 1971. The Delphi technique: A case study. *Phi Delta Kappan*. 52: 272-273.
- Delbecq A., Van de Ven A., Gustafson D. 1975. Group techniques for program planning. Glenview: Scott, Foresman, and Co.
- DMSIC. 2009. Report of Drugs and Medical Supplies Information in 2009. MOPH: Nontaburi, Thailand.
- DMSIC. 2011. Report of Drugs and Medical Supplies Information in 2011. MOPH: Nontaburi, Thailand.
- Enders SJ., Enders JM., Holstad SG. 2002. Drug Information Software for Palm Operating System Personal Digital Assistant: Breadth, Clinical Dependability and Ease of Use. *Pharmacotherapy*. 22(8): 1036-1040.
- EURO-MED-STAT. 2004. The library of European Union pharmaceutical indicators (pp. 10-35). The EURO-MED-STAT Group.
- Flower A., Lewith GT., Little P. 2007. Using the Delphi Process to Develop Practice Guidelines for the Treatment of Endometriosis with Chinese Herbal Medicine. *J of Alternative and Complementary Medicine*. 13(9): 969-976.
- Fraser HS., Jazayeri D., Nevil P., Karacaoglu Y., Farmer PE., Lyon E., Fawzi K. 2004. An Information System and Medical Record to Support HIV Treatment in Rural Haiti. *BMJ*. 329: 1142-1146.
- Fyfe. 2005. Health promotion: models and values. Oxford: Oxford University Press.
- Garnerin P., Perneger T., Chopard P., Ares M., Baalbaki R., Bonnabry P., Clergue F. 2007. Drug Selection Errors in Relation to Medication Labels: A Simulation Study. *Anaesthesia*. 62: 1090-1094.
- George AM., Orlando VG., Gene WG. 2000. SPSS for Windows: An Introduction to Use and Interpretation in Research. New Jersey: Lawrence Erlbaum Associates Inc.

- Goodman C. 1987. The Delphi technique: a critique. *J of Advanced Nursing*. 12: 729-734.
- Gordon JO., Hadsall RS., Schommer JC. 2005. Automated Medication Dispensing System in two Hospital Emergency Departments. *Am J Health-Syst Pharm*. 62: 1917-1923.
- Green P. 1982. The Content of a College-Level Outdoor Leadership Course. Paper presented at the Conference of the Northwest District Association for the American Alliance for Health, Physical Education, Recreation, and Dance, Spokane, WA.
- Häder M., Häder S. 1995. Delphi und Kognitionspsychologie: Ein Zugang zur theoretischen Fundierung der Delphi-Methode. *ZUMA-Nachrichten*. 37(19): 12.
- Hasson F., Keeney S., Makenna H. 2000. *J of Advanced Nursing*. 32(4): 1008-1015.
- HA Institute. 2011. Hospital Accreditation in Thailand 2011. The Healthcare Accreditation Institute, Thailand.
- Headford C., McGowan S., Clifford R. 2001. Analysis of medication incidents and development of a medication incident rate clinical indicator. *Collegian*. 8(3): 26-31.
- Health Canada. 2000. Chapter 15—Health Canada—First Nations Health: Follow-up. [Online]. Available [http://www.oag-bvg.gc.ca/internet/English/parl\\_oag\\_200010\\_15\\_e\\_11202.html](http://www.oag-bvg.gc.ca/internet/English/parl_oag_200010_15_e_11202.html) (9 January 2010).
- HCFA. 2001. Study of Pharmaceutical Benefit Management. Pricewaterhouse Coopers LLP. [Online]. Available [http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Reports/Downloads/CMS\\_2001\\_4.pdf](http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Reports/Downloads/CMS_2001_4.pdf) (9 January 2010).
- Hicks R., Becker S., Krenzischeck D., Beyea S. 2004. Medication errors in the PACU: a secondary analysis of MEDMARX findings. *J of PeriAnesthesia Nursing*. 19(1): 18-28.
- Hill K., Fowles J. 1975. The methodological worth of the Delphi forecasting technique. *Technological Forecasting and Social Change*. 7: 179-192.

- Hogerzeil HV., Samson M., Vidal CJ., Rahmani OL. 2006. Is access to essential medicines as part of the fulfilment of the right to health enforceable through the courts?. *Lancet.* 368(9532): 305-311.
- IOM. 2006. The Future of Drug Safety: Promoting and Protecting the Health of the Public. US: Assessment of the U. S. Drug Safety System.
- Jacobs J. 1996. Essential assessment criteria for physical education teacher education programs: A Delphi study. West Virginia University, Morgantown.
- JCAHO. 2010. Hospital Accreditation 2010. USA: Oakbrook Terrace.
- Kerlinger F. 1973. Foundations of behavioral research. New York: Holt, Rinehart, and Winston, Inc.
- Kiekkas P., Karga M., Lemonidou C., Aretha D., Karanikolas M. 2011. Medication Errors in Critically III Adults: A Review of Direct Observation Evidence. *Am J Crit Care.* 20: 36-44.
- Kornkasem M., et al. 1994. Thai drug system: Situation Analysis and Recommendations for Development. *J of Health System Research.* 2(3): 163-181.
- Lambert T. 1996. Inter-rater reliability and the PANSS. Poster presented at the CINP Congress. Melbourne: Australia.
- Levein S. 1977. Canonical Analysis and Factor Comparison. Sage Publication Inc, U.S.A.
- Lexchin J. 2004. The effect of generic competition on the price of brand name drugs. *Health Policy.* 68(1): 47-54.
- Ludwig B. 1994. Internationalizing Extension: An exploration of the characteristics evident in a state university Extension system that achieves internationalization. The Ohio State University, Columbus.
- Ludwig B. 1997. Predicting the future: Have you considered using the Delphi methodology? *J of Extension.* 35(5): 1-4.
- MacLure KM., Willett WC. 1987. Misinterpretation and misuse of the Kappa statistic. *Am J Epidemiol.* 126: 161-169.
- Mannebach MA., Ascione FJ., Christian R. 1996. Measuring performance of pharmacy and therapeutics committees. *Proc Am Pharm Assoc Ann Meet.* 143: 10.

- Martin DK., Hollenberg D., Macrae S., Madden S., Singer P. 2003. Priority setting in a hospital drug formulary: a quality case study and evaluation. *Health Policy*. 66(3): 295-303.
- McEntee JE., Henderson SL., Rutter PM., Rutter J., Davis HJ. Utility and value of a medicines information service provided by pharmacists: a survey of health professionals. *Int J Pharm Pract.* 18(6): 353-61.
- McKenna H. 1994. The Delphi technique: a worthwhile approach for nursing? *J of Advanced Nursing*. 19: 1221-1225.
- McKesson Pharmacy System. 2010. Improving Patient Safety Behind the Pharmacy Counter. McKesson Empowering Healthcare, division of McKesson Corporation.
- Michael JW., Jeremy SB., Nicole JH., John MD., Carol LS., Susan MW., Jeffrey DH., Kimberly WH., Christopher JL., Stewart WW. 2012. An Automated Dispensing System for Improving Medication Timing in the Emergency Department. *World J Emerg Med.* 3(2): 102-107.
- Miller L. 2006. Determining what could/should be: The Delphi technique and its application. Paper presented at the meeting of the 2006 annual meeting of the Mid-Western Educational Research Association, Columbus: Ohio.
- MSH. 1981. Managing Drug Supply. Boston, MA: Management Science for Health.
- MSH. 1994. Indicators for Monitoring National Drug Policies. [Online]. Available <http://apps.who.int/medicinedocs/pdf/whozip14e/whozip14e.pdf> (9 January 2010).
- MSH. 2012. MDS-3: Managing Access to Medicines and Health Technologies. [Online]. Available <http://www.msh.org/resource-center/managing-drug-supply.cfm> (1 February 2012).
- Mucklow JC. 2003. How can we afford costly medicine's. *J of the Royal College of Physicians of London*. 34(2): 124–127.
- Murray W., Jarman B. 1987. Predicting future trends in adult fitness using the Delphi approach. *Research Quarterly for Exercise and Sport*. 58(2): 124-131.
- Nakyanzi JK., Kitutu FE., Oriaa H., Kamba PF. 2010. Expiry of Medicines in Supply Outlets in Uganda. *Bull World Health Organ.* 88: 154–158.

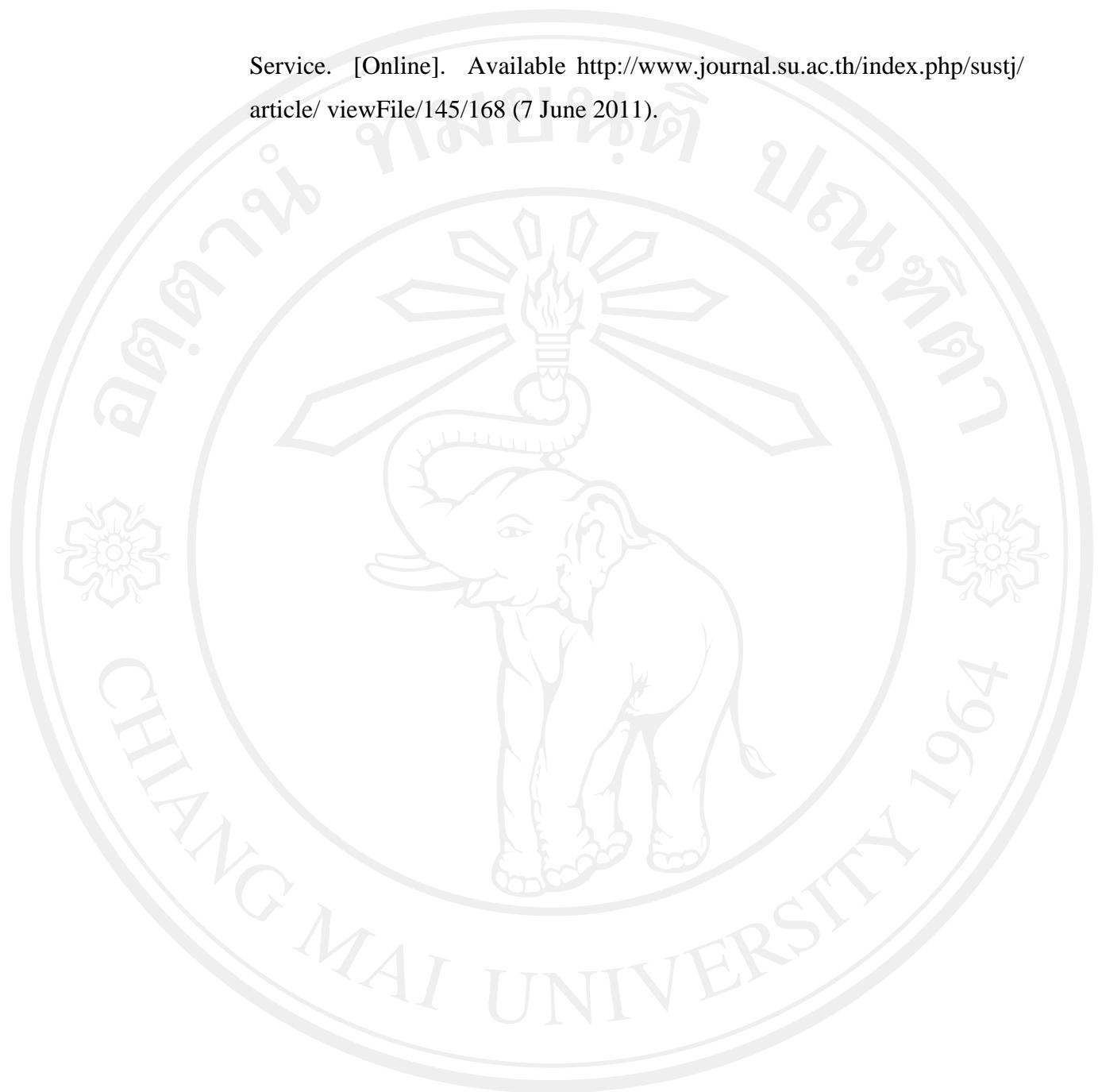
- National Community Pharmacists Association. 2008. Managing the Pharmacy Inventory. Alexandria: VA.
- National Drug Committee. 2011. National Drug Policy 2011. [online]. Available: <http://dmsic.moph.go.th/news/detail.php?idnews=2774> (1 March 2010).
- National Statistical Office Thailand. 2010. National Health Accounts of Thailand 2009-2010. International Health Policy Program: Nontaburi, Thailand.
- Negele HJ. 1994. Unit dose - ein neues Verteil - und Dokumentationssystem für Arzneimittel. *Krankenhauspharmazie*. 15: 456-61.
- NHS. 2009. Prescribing Measures and their application. UK: Prescribing Support Unit, Health and Social Care Information Center.
- NHSO. 2011. Medication Safety Indicators. [online]. Available <http://www.google.co.th/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=9&cad=rja&ved=0CFUQFjAI&url=http%3A%2F%2Fadr.thaihp.org%2Findex2.php%3Foption%3Dshowfile%26tbl%3Dhome%26id%3D118&ei=gv-BUIDnFYPJrAfjqoD4Cw&usg=AFQjCNFBXHUR66pfNmhUdiJ0s1C1obSA> (1 March 2010).
- Ningsanon T., Ratanavijitrasin S. 2008. Hospital Drug System Performance Indicators. 2nd ed. pp. 35-56. Thailand.
- NPS. 2006. Indicators of Quality Prescribing in Australian General Practice. [Online]. Available [http://www.nps.org.au/\\_\\_data/assets/pdf\\_file/0019/37351/indicators\\_full.pdf](http://www.nps.org.au/__data/assets/pdf_file/0019/37351/indicators_full.pdf) (1 June 2011).
- Nygaard HA., Jarland M. 2006. The checklist of nonverbal pain indicators (CNPI): Testing of reliability and validity in Norwegian nursing homes. *Age and Ageing*. 35(1): 79-81.
- Office of the Permanent Secretary, MOPH. 1998. The Improving Efficiency on DSM in 1998. Bangkok: Office of the Permanent Secretary, MOPH.
- Office of the Permanent Secretary, MOPH. 1999. Efficiency development drug management guideline. Bangkok: Office of the Permanent Secretary, MOPH.
- Oparah AC., Kikanme LC. 2006. Consumer satisfaction with community pharmacies in Warri, Nigeria. *Res Social Adm Pharm*. 2(4): 499-511.

- Osiri S. 2004. Future Thai Drug System under the National Health System in the next decade (2003-2012). Health System Research Institute and Alliance. Nonthaburi: Thailand.
- PAHO. 1995. Rapid Pharmaceutical Management Assessment: An Indicator-Based Approach. [Online]. Available <http://erc.msh.org/newpages/english/toolkit/rpma.pdf> (10 January 2010).
- Patton M. 1990. Qualitative Evaluation and Research Methods. Sage, Newbury Park, California.
- Pharmaceutical Administration Reform. 2005. Health Insurance Systems in Thailand. Printing Press, The War Veterans Organization of Thailand.
- Phianchana C., Amrumpai Y. 2010. A case study of general hospital: Indicators of Drug System and Factors Affecting to the Drug System. *Thai Pharmaceutical and Health Science J.* 5(2): 138-145.
- PING. 2002. Quality prescribing related indicators (pp. 6-26). UK: Prescribing Support Unit.
- Pitaknitinun K., et al. 2003. Evaluation of the Results in Region Drug Group Purchasing according to the Cabinet resolution on September 9<sup>th</sup>, 2003.
- Polit D., Hungler B. 1997. Essentials of Nursing Research: Methods, Appraisal and Utilisation. Lippincott: New York.
- Prapanwattana M. 2010. Safety Medication System. 1<sup>st</sup> ed. Thailand: The Association of Hospital Pharmacy.
- PSyRIC. 2007. Review of Drug System Indicators in Thailand, Foreign Countries, and International Organizations. Thailand: Health Information System Development Office.
- Qualidigm. 2000. Health Care Quality Performance Measurement: Reporting Publicly Accountable Performance Measures of Quality in Health Care: Review of Existing Databases in Rhode Island Focusing on the Hospital Setting. USA: Middletown.
- Quick JD., Foreman P. 1989. Pharmaceutical and Financing for Health in the 1990's: Strategic Perspective for Asia and the Near East. Boston, MA: Management Sciences for Health (USAID Asia Near East Bureau Issue Paper Series).

- Rankin JR., Korn J. 1991. Final Report on the Kenya Essential Drugs Programme: Recommendations for Future Cooperation between Danida and the Kenya Ministry of Health. Danida/Euro Health Inc.
- Schommer W., Göbel H., Geller H. (1993). Patientenorientierte Medikationserfassung und Belieferung. *Krankenhauspharmazie*. 14:161-5.
- Sripairoj A. 2006. The Opinion Survey of Pharmacy and Therapeutics Committees (PTCs) on Performance Indicators. *Journal of Health Science*. 14(1) : 119 – 128.
- Supasirivittaya P. 2006. Evaluation of Drug Inventory Management in Hospitals in Region and General under the Office of the Permanent Secretary for Public Health. *J of Health Science*. 19 : 68 – 78.
- TAG. 1998. Manual of indicators for drug use in Australian Hospitals. The NSW Therapeutic Assessment Group Inc.
- Tantivess S. 2007. Problems Review and Drug System Research in Thailand. MOPH: Nontaburi, Thailand.
- Thai Drug Watch. 2009. Report of drug system situation (pp. 14-31). Thailand.
- Theptong J. 2010. Final Thesis Report: Drug Inventory Control Case Thai International Hospital Mahasarakham. Tanpereen Ammattikorkeakoulu University of Applied Sciences Business School.
- Tongpue S. 2007. Drug Administration in Khon Kaen Health Promotion Centre. Khon Kaen Health Promotion Centre report.
- Turner JR. 2009. Drug safety, medication safety, patient safety: An overview of recent FDA guidances and initiatives. *Regulatory Rapporteur*. 6(4): 4-8.
- Ulschak F. 1983. Human resource development: The theory and practice of need assessment. Reston, VA: Reston Publishing Company, Inc.
- Watchainan N. 2005. Drug Administration in Khon Kaen Hospital. *J of Khon Kaen*. 29(3): 220 – 228.
- Wechsler W. 1978. Delphi-Methode, Gestaltung und Potential für betriebliche Prognoseprozesse, Schriftenreihe Wirtschaftswissenschaftliche Forschung und Entwicklung, München.
- Weekes LM., Brooks C. 1996. Drug and Therapeutics Committees in Australia: expected and actual performance. *Br J Clin Pharmacol*. 42(5) : 551–557.

- Weekes LM., Brooks C., Day RO. 1998. Indicators for Drug and Therapeutics Committees. *Br J Clin Pharmacol.* 45 : 393–398.
- Wibulpolprasert S. 2010. Thailand Health Profile report 2008-2010. WVO Office of Printing Mill: War Veterans Organization of Thailand.
- Witkin B., Altschuld J. 1995. Planning and conducting needs assessment: A practical guide. Thousand Oaks, CA: Sage Publications, Inc.
- W.K. Kellogg Foundation. 2004. Foundation Logic Model Development Guide. W.K. Kellogg Foundation.
- WHO. 1992. Action Programme on Essential Drugs. Report for the Biennium 1990-1991. Geneva: WHO.
- WHO. 1993. How to investigate drug use in health facilities: Selected drug use indicators (pp. 12-24). Geneva: WHO.
- WHO. 1994. Indicators for monitoring national drug policies. Geneva: WHO.
- WHO. 1997. Comparative analysis of national drug policies 1997. Geneva: WHO.
- WHO. 1999. Managing Drug Supply. (2<sup>nd</sup>) ed. Kumarian Press.
- WHO. 2004. Management of Drugs at Health Centre Level. Republic of South Africa: WHO. Geneva: WHO.
- WHO. 2004. Drug and therapeutics committees A practical guide. [online]. Available <http://apps.who.int/medicinedocs/pdf/s4882e/s4882e.pdf>. (7 June 2010).
- WHO. 2006. Health System Assessment Approach: A How-To manual. Malta: WHO.
- WHO. 2007. Good governance for medicines. [online]. Available <http://www.who.int/medicines/areas/policy/goodgovernance/progress/en/index.html>. (25 May 2010).
- WHO. 2008. Measuring medicine prices, availability, affordability and price components. 2<sup>nd</sup> ed. Malta: WHO.
- WHO. 2009. Essential Drug Procurement and Management. Geneva: WHO.
- WHO. 2010. Continuity and Change: Implementing the Third WHO Medicines Strategy 2008-2013. Geneva: WHO.
- Wongpoowarak P., Phengchuai C., Rattanachamit P., Kaewmanee M., Konsuparp S., Wongpoowarak W., Boonme P. 2010. Evaluation of Drug Information

Service. [Online]. Available <http://www.journal.su.ac.th/index.php/sustj/article/viewFile/145/168> (7 June 2011).



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