

PUBLICATIONS

National and International Presentations

Apai, W., V. Sardsud and U. Sardsud. 2004. Preliminary study on the effects of hydrocooling on quality of fresh longan fruit cv. Daw. 27-30 Dec, The 20th Biennial Conference of the Association for Biology Education (AABE), International Center, Chiang Mai, Thailand (Poster presentation).

Apai, W., V. Sardsud and U. Sardsud. 2005. Postharvest physiology and technology of longan cv. Daw in Thailand: A review. APEC Symposium on Assuring Quality and Safety of Fresh Produce. Aug 1-3, 2005, Radison Hotel Bangkok, Thailand (Poster presentation).

Apai, W., V. Sardsud, P. Boonprasom and U. Sardsud. 2006. Effect of citric acid incorporated with chitosan-based coating to control pericarp browning in fresh longan fruit. International Workshop on Tropical and Subtropical Fruits, 27-30 Nov, 2006, Lotus Pang Suan Kaew, Chiang Mai, Thailand (Oral presentations).

Apai, W., V. Sardsud, P. Boonprasom and U. Sardsud. 2007. Antifungal Activity of Chitosan Coating and Its Components on *Lasiodiplodia theobromae* in Longan. Euro-Asia symposium on Quality Management in Postharvest Systems, 2-6 Dec, 2007, Radison Hotel, Bangkok, Thailand (Poster presentations).

Apai, W., V. Sardsud, P. Boonprasom and U. Sardsud. 2008c. Effects of chitosan coating with citric acid and potassium sorbate on postharvest decay and browning of longan fruit during cold storage. Asia-Pacific Symposium on Assuring Quality and Safety of Agri-Foods (APS2008), 4-6 August, 2008, Radisson hotel, Bangkok, Thailand (Poster presentations).

Journal publications

1. **Apai, W., V. Sardud, P. Boonprasom and U. Sardud.** 2008. Effect of citric acid incorporated with chitosan-based coating to control pericarp browning in fresh longan fruit. *Acta Hort.* (ISHS) 787: 265-272.
2. **Apai, W., V. Sardud, P. Boonprasom and U. Sardud.** 2008. Antifungal activity of chitosan coating and its components on *Lasiodiplodia theobromae* in longan. *Acta Hort.* (ISHS) 804: 234-242.
3. **Apai, W., V. Sardud, P. Boonprasom and U. Sardud.** 2008. Effects of chitosan coating with citric acid and potassium sorbate on postharvest decay and browning of longan fruit during cold storage *Acta Hort.* (ISHS) (In press).
4. **Apai, W., V. Sardud, P. Boonprasom and U. Sardud.** 2008. Effect of chitosan and citric acid on pericarp browning and polyphenol oxidase activity of longan fruit. *Songklanakarin Journal of Science and Technology* (In reviewing).
5. **Apai, W., V. Sardud and U. Sardud.** 2007. Effects of hydrocooling on quality of fresh longan fruit cv. Daw. *The Asian Journal Biology Education* 3: 54-57.

CURRICULUM VITAE

- Name** Mr. Wittaya Apai
- Date of Birth** December 26, 1974
- Education** Secondary school-Banmi Wittaya School,
Lopburi, THAILAND.
B.S. (2nd class honors) – Plant Pathology, April 1998.
Faculty of Agriculture, Kasetsart University, Kampaengsaen
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- Research experience**
1. Research and develop on rehabilitation of agro-ecosystem in pesticide-safety village during 1998-2001 (Completed).
-Wood vinegar for replacing chemical pesticide (co-project)
 2. Research and develop on technology of sulfur dioxide fumigation in fresh longan fruit during 2004-present
- Study on the alternative to SO₂ in fresh longan fruits.
(Co-project)
 3. Agricultural Scientist, Sulfur dioxide residue analysis in fresh exported longan fruit section, laboratory of Office of Agricultural Research and Development Region 1, Department of Agriculture, Chiang Mai, Thailand.