টুল এন্ড টেকনোলজি ইন্সটিটিউট বাংলাদেশ শিল্প কারিগরি সহায়তা কেন্দ্র (বিটাক), শিল্প মন্ত্রণালয় ১১৬(খ), তেজগাঁও শিল্প এলাকা, ঢাকা-১২০৮।

গবেষণা প্রস্তাব

গবেষণা	সমস্যার বর্ণনা	গবেষণার	সাহিত্য পর্যালোচনা	গবেষণার গুরুত্ব	গবেষণা পদ্ধতি	প্রত্যাশিত	কর্ম পরিকল্পনা	গ্ৰন্থ পঞ্জী
শিরোনাম	(Statement	উদ্দেশ্যসমূহ	(Review of Literature)	(Rationale of	(Methods of	ফলাফল	এবং সম্ভাব্য	(Bibliograph
(Title of	of the	(Objectives		the Study)	the Study)	(Expected	বিবরণী	y Reference)
the	Problem)	of the		J ,]	output)	(Action Plan	
Research		Study)					and Tentative	
)							Budget)	
,								
٥	২	৩	8	Ć	৬	٩	Ъ	৯
Local	The	1.To develop	It is well known that the	It will be	To remove	Local made	Time frame:	Principles of
developme	moisture in	this technology	drying takes place	complementary	water, the	low cost small	1.Design- 5	Sustainable
nt of Fruit	most of the fruits are	locally. 2.To create	principally through two mechanisms: the movement	support for farmers	common methods are:	fruit dryer machine will	weeks 2.procurement-	Drying
& vegetable Drying	above 70%	micro	of humidity from the interior	The fruits like	1.Sun drying	be developed.	4 weeks	
machine	and prone to	entrepreneur	of a material to the outside	jackfruit,	2.Air drying	Agriculture	3.Manufacture-	By Jorge del
macinie	spoilage by	at village level.	and the evaporation of	pineapple, guava,	3.Vacuum	production of	8 weeks	Real-Olvera
	microorgani	3. To increase	humidity from the hot	etc. found	drying	fruit and	4.Redesign- 2	
	sm and get	employment	surface of a material to the	abundantly in the	To retain	vegetable will	weeks	
	rotten prior	opportunity at	surrounding. The transport	rural areas of	composition,	increase.	5.Manufacture-	
	to reach the	village.	of water is intimately	Bangladesh.	color, taste &	Micro young	2 weeks	
	final	4.To support	related to some external	During season, the	smell vacuum	entrepreneur	6.Quality	
	customer.	agriculture	factors like humidity,	price become very	drying gives the	will be created	control- 2 weeks	
	Also,	farmer.	pressure, the nature and	low as these are	best result. An	at village level	7.Final test- 1	
	abundant	5. To reduce	type of the exposed surface,	fast	optimum result	as well as	weeks	
	supply	poverty at	temperature, and flow	decomposable,	may attain by	employment	Total 24 weeks	
	during	village level.	velocity	difficult to	combining air	opportunity		
	season		Due to its complexity, the	transport and lack	drying &	will increase.	Tentative	
	decreases		investigations on drying are	of process facility.	vacuum drying.	Consumer will	Budget:	
	marketabilit		still an area of interest to	Preserving		get dried fruit	1.Raw material-	
	y. To combat		numerous researchers all	through	Work will be	in off season at	.7 lac	
	spoilage,		over the world. The principal	dehydration	done in	low cost.	3.Electrical and	
	reduction of		motivation in many of these	without changing	association with		control part3	
	moisture to		projects of research in	color, test & smell	LEI, engaging		lac	
	less than		drying is to define the	may develop	expert. Also		5.Other2 lac	
	15% works		influence of the external	potential agro-	engineering		Total cost 1.2	
	efficiently; this blocks		factors over the process. The	based	university students will be		lac	
	this blocks		understanding of the drying process with all detail is	opportunities based on these	attached as a			
	action and		needed for the design	fruits.	part of their			
1	increases		precise of equipment	11 UILS.	study.			
	mereases		precise or edurbment	l	study.	ĺ	ĺ	l l

the shelf life	;	employed scientific				l
for		principles, maintaining the				l
consumption	ı	quality of the product and				l
of end		energy optimization, but				l
customer.		overall, from a viewpoint				i
		sustainable				l
						l

Small Fruit Dryer machine





